



SEQUENCE LISTING

<110> Kolkman, Joost A.
Stemmer, Willem P.C.
Avidia Research Institute

<120> Methods for Using Combinatorial Libraries
of Monomer Domains

<130> 022013-000170US

<140> US 10/693,057
<141> 2003-10-24

<150> US 60/286,823
<151> 2001-04-26

<150> US 60/337,209
<151> 2001-11-19

<150> US 60/333,359
<151> 2001-11-26

<150> US 60/374,107
<151> 2002-04-18

<150> US 10/133,128
<151> 2002-04-26

<150> US 10/289,660
<151> 2002-11-06

<160> 511

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human IDD A domain

<400> 1
Cys Asn Pro Gly Gln Phe Ala Cys Arg Ser Gly Thr Ile Gln Cys Ile
1 5 10 15
Pro Leu Pro Trp Gln Cys Asp Gly Trp Ala Thr Cys Glu Asp Glu Ser
20 25 30
Asp Glu Ala Asn Cys
35

<210> 2
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
related protein 3 (LRP3) A domain

<400> 2
 Cys Gln Ala Asp Glu Phe Arg Cys Asp Asn Gly Lys Cys Leu Pro Gly
 1 5 10 15
 Pro Trp Gln Cys Asn Thr Val Asp Glu Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Gly Asn Cys
 35

<210> 3
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 3 (LRP3) A domain

<400> 3
 Cys Pro Gly Gly Thr Phe Pro Cys Ser Gly Ala Arg Ser Thr Arg Cys
 1 5 10 15
 Leu Pro Val Glu Arg Arg Cys Asp Gly Leu Gln Asp Cys Gly Asp Gly
 20 25 30
 Ser Asp Glu Ala Gly Cys
 35

<210> 4
 <211> 46
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 3 (LRP3) A domain

<400> 4
 Cys Leu Pro Trp Glu Gln Pro Cys Gly Ser Ser Ser Asp Ser Asp Gly
 1 5 10 15
 Gly Ser Leu Gly Asp Gln Gly Cys Phe Ser Glu Pro Gln Arg Cys Asp
 20 25 30
 Gly Trp Trp His Cys Ala Ser Gly Arg Asp Glu Gln Gly Cys
 35 40 45

<210> 5
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 3 (LRP3) A domain

<400> 5
 Cys Pro Pro Asp Gln Tyr Pro Cys Glu Gly Gly Ser Gly Leu Cys Tyr
 1 5 10 15
 Thr Pro Ala Asp Arg Cys Asn Asn Gln Lys Ser Cys Pro Asp Gly Ala
 20 25 30
 Asp Glu Lys Asn Cys
 35

<210> 6
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 3 (LRP3) A domain

<400> 6
 Cys Gln Pro Gly Thr Phe His Cys Gly Thr Asn Leu Cys Ile Phe Glu
 1 5 10 15
 Thr Trp Arg Cys Asp Gly Gln Glu Asp Cys Gln Asp Gly Ser Asp Glu
 20 25 30
 His Gly Cys
 35

<210> 7
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 5 (LRP5) A domain

<400> 7
 Cys Ser Pro Asp Gln Phe Ala Cys Ala Thr Gly Glu Ile Asp Cys Ile
 1 5 10 15
 Pro Gly Ala Trp Arg Cys Asp Gly Phe Pro Glu Cys Asp Asp Gln Ser
 20 25 30
 Asp Glu Glu Gly Cys
 35

<210> 8
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 5 (LRP5) A domain

<400> 8
 Cys Ser Ala Ala Gln Phe Pro Cys Ala Arg Gly Gln Cys Val Asp Leu
 1 5 10 15
 Arg Leu Arg Cys Asp Gly Glu Ala Asp Cys Gln Asp Arg Ser Asp Glu
 20 25 30
 Val Asp Cys
 35

<210> 9
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 5 (LRP5) A domain

<400> 9
 Cys Leu Pro Asn Gln Phe Arg Cys Ala Ser Gly Gln Cys Val Leu Ile
 1 5 10 15
 Lys Gln Gln Cys Asp Ser Phe Pro Asp Cys Ile Asp Gly Ser Asp Glu
 20 25 30
 Leu Met Cys
 35

<210> 10
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 6 (LRP6) A domain

<400> 10
 Cys Ser Pro Gln Gln Phe Thr Cys Phe Thr Gly Glu Ile Asp Cys Ile
 1 5 10 15
 Pro Val Ala Trp Arg Cys Asp Gly Phe Thr Glu Cys Glu Asp His Ser
 20 25 30
 Asp Glu Leu Asn Cys
 35

<210> 11
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 6 (LRP6) A domain

<400> 11
 Cys Ser Glu Ser Gln Phe Gln Cys Ala Ser Gly Gln Cys Ile Asp Gly
 1 5 10 15
 Ala Leu Arg Cys Asn Gly Asp Ala Asn Cys Gln Asp Lys Ser Asp Glu
 20 25 30
 Lys Asn Cys
 35

<210> 12
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 6 (LRP6) A domain

<400> 12
 Cys Leu Ile Asp Gln Phe Arg Cys Ala Asn Gly Gln Cys Ile Gly Lys
 1 5 10 15
 His Lys Lys Cys Asp His Asn Val Asp Cys Ser Asp Lys Ser Asp Glu
 20 25 30
 Leu Asp Cys
 35

<210> 13
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ST7 A domain

<400> 13
 Cys Ala Cys Asp Gln Phe Arg Cys Gly Asn Gly Lys Cys Ile Pro Glu
 1 5 10 15
 Ala Trp Lys Cys Asn Asn Met Asp Glu Cys Gly Asp Ser Ser Asp Glu
 20 25 30
 Glu Ile Cys
 35

<210> 14
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ST7 A domain

<400> 14
 Cys Ala Tyr Asn Gln Phe Gln Cys Leu Ser Arg Phe Thr Lys Val Tyr
 1 5 10 15
 Thr Cys Leu Pro Glu Ser Leu Lys Cys Asp Gly Asn Ile Asp Cys Leu
 20 25 30
 Asp Leu Gly Asp Glu Ile Asp Cys
 35 40

<210> 15
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ST7 A domain

<400> 15
 Cys Leu Pro Trp Glu Ile Pro Cys Gly Gly Asn Trp Gly Cys Tyr Thr
 1 5 10 15
 Glu Gln Gln Arg Cys Asp Gly Tyr Trp His Cys Pro Asn Gly Arg Asp
 20 25 30
 Glu Thr Asn Cys
 35

<210> 16
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ST7 A domain

<400> 16
 Cys Gln Lys Glu Glu Phe Pro Cys Ser Arg Asn Gly Val Cys Tyr Pro
 1 5 10 15

Arg Ser Asp Arg Cys Asn Tyr Gln Asn His Cys Pro Asn Gly Ser Asp
 20 25 30
 Glu Lys Asn Cys
 35

<210> 17
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ST7 A domain

<400> 17
 Cys Gln Pro Gly Asn Phe His Cys Lys Asn Asn Arg Cys Val Phe Glu
 1 5 10 15
 Ser Trp Val Cys Asp Ser Gln Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Glu Asn Cys
 35

<210> 18
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 18
 Cys Gly Arg Gly Glu Asn Phe Leu Cys Ala Ser Gly Ile Cys Ile Pro
 1 5 10 15
 Gly Lys Leu Gln Cys Asn Gly Tyr Asn Asp Cys Asp Asp Trp Ser Asp
 20 25 30
 Glu Ala His Cys
 35

<210> 19
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 19
 Cys Ser Glu Asn Leu Phe His Cys His Thr Gly Lys Cys Leu Asn Tyr
 1 5 10 15
 Ser Leu Val Cys Asp Gly Tyr Asp Asp Cys Gly Asp Leu Ser Asp Glu
 20 25 30
 Gln Asn Cys
 35

<210> 20
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 20
 Cys Asn Pro Thr Thr Glu His Arg Cys Gly Asp Gly Arg Cys Ile Ala
 1 5 10 15
 Met Glu Trp Val Cys Asp Gly Asp His Asp Cys Val Asp Lys Ser Asp
 20 25 30
 Glu Val Asn Cys
 35

<210> 21
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 21
 Cys His Ser Gln Gly Leu Val Glu Cys Arg Asn Gly Gln Cys Ile Pro
 1 5 10 15
 Ser Thr Phe Gln Cys Asp Gly Asp Glu Asp Cys Lys Asp Gly Ser Asp
 20 25 30
 Glu Glu Asn Cys
 35

<210> 22
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 22
 Cys Ser Pro Ser His Phe Lys Cys Arg Ser Gly Gln Cys Val Leu Ala
 1 5 10 15
 Ser Arg Arg Cys Asp Gly Gln Ala Asp Cys Asp Asp Asp Ser Asp Glu
 20 25 30
 Glu Asn Cys
 35

<210> 23
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CORI A domain

<400> 23
 Cys Lys Glu Arg Asp Leu Trp Glu Cys Pro Ser Asn Lys Gln Cys Leu
 1 5 10 15
 Lys His Thr Val Ile Cys Asp Gly Phe Pro Asp Cys Pro Asp Tyr Met
 20 25 30
 Asp Glu Lys Asn Cys
 35

<210> 24
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>

<223> human CORI A domain

<400> 24

Cys Gln Asp Asp Glu Leu Glu Cys Ala Asn His Ala Cys Val Ser Arg
1 5 10 15
Asp Leu Trp Cys Asp Gly Glu Ala Asp Cys Ser Asp Ser Ser Asp Glu
20 25 30
Trp Asp Cys
35

<210> 25

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> human TMS2 A domain

<400> 25

Cys Ser Asn Ser Gly Ile Glu Cys Asp Ser Ser Gly Thr Cys Ile Asn
1 5 10 15
Pro Ser Asn Trp Cys Asp Gly Val Ser His Cys Pro Gly Gly Glu Asp
20 25 30
Glu Asn Arg Cys
35

<210> 26

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> human TMS3 A domain

<400> 26

Cys Ser Gly Lys Tyr Arg Cys Arg Ser Ser Phe Lys Cys Ile Glu Leu
1 5 10 15
Ile Ala Arg Cys Asp Gly Val Ser Asp Cys Lys Asp Gly Glu Asp Glu
20 25 30
Tyr Arg Cys
35

<210> 27

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> human MAT A domain

<400> 27

Cys Pro Gly Gln Phe Thr Cys Arg Thr Gly Arg Cys Ile Arg Lys Glu
1 5 10 15
Leu Arg Cys Asp Gly Trp Ala Asp Cys Thr Asp His Ser Asp Glu Leu
20 25 30
Asn Cys

```

<210> 28
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human MAT A domain

<400> 28
Cys Asp Ala Gly His Gln Phe Thr Cys Lys Asn Lys Phe Cys Lys Pro
1      5      10      15
Leu Phe Trp Val Cys Asp Ser Val Asn Asp Cys Gly Asp Asn Ser Asp
20      25      30
Glu Gln Gly Cys
35

<210> 29
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human MAT A domain

<400> 29
Cys Pro Ala Gln Thr Phe Arg Cys Ser Asn Gly Lys Cys Leu Ser Lys
1      5      10      15
Ser Gln Gln Cys Asn Gly Lys Asp Asp Cys Gly Asp Gly Ser Asp Glu
20      25      30
Ala Ser Cys
35

<210> 30
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human MAT A domain

<400> 30
Cys Thr Lys His Thr Tyr Arg Cys Leu Asn Gly Leu Cys Leu Ser Lys
1      5      10      15
Gly Asn Pro Glu Cys Asp Gly Lys Glu Asp Cys Ser Asp Gly Ser Asp
20      25      30
Glu Lys Asp Cys
35

<210> 31
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human ENTK A domain

<400> 31
Cys Leu Pro Gly Ser Ser Pro Cys Thr Asp Ala Leu Thr Cys Ile Lys
1      5      10      15

```

Ala Asp Leu Phe Cys Asp Gly Glu Val Asn Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Asp Asn Lys Met Cys
 35

<210> 32
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ENTK A domain

<400> 32
 Cys Lys Ala Asp His Phe Gln Cys Lys Asn Gly Glu Cys Val Pro Leu
 1 5 10 15
 Val Asn Leu Cys Asp Gly His Leu His Cys Glu Asp Gly Ser Asp Glu
 20 25 30
 Ala Asp Cys
 35

<210> 33
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human HAI1 A domain

<400> 33
 Cys Gln Pro Thr Gln Phe Arg Cys Ser Asn Gly Cys Cys Ile Asp Ser
 1 5 10 15
 Phe Leu Glu Cys Asp Asp Thr Pro Asn Cys Pro Asp Ala Ser Asp Glu
 20 25 30
 Ala Ala Cys
 35

<210> 34
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CFAI A domain

<400> 34
 Cys Tyr Thr Gln Lys Ala Asp Ser Pro Met Asp Asp Phe Phe Gln Cys
 1 5 10 15
 Val Asn Gly Lys Tyr Ile Ser Gln Met Lys Ala Cys Asp Gly Ile Asn
 20 25 30
 Asp Cys Gly Asp Gln Ser Asp Glu Leu Cys
 35 40

<210> 35
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CFAI A domain

<400> 35
 Cys Gln Gly Lys Gly Phe His Cys Lys Ser Gly Val Cys Ile Pro Ser
 1 5 10 15
 Gln Tyr Gln Cys Asn Gly Glu Val Asp Cys Ile Thr Gly Glu Asp Glu
 20 25 30
 Val Gly Cys
 35

<210> 36
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CO6 A domain

<400> 36
 Cys Lys Asn Lys Phe Arg Cys Asp Ser Gly Arg Cys Ile Ala Arg Lys
 1 5 10 15
 Leu Glu Cys Asn Gly Glu Asn Asp Cys Gly Asp Asn Ser Asp Glu Arg
 20 25 30
 Asp Cys

<210> 37
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CO7 A domain

<400> 37
 Cys Gly Glu Arg Phe Arg Cys Phe Ser Gly Gln Cys Ile Ser Lys Ser
 1 5 10 15
 Leu Val Cys Asn Gly Asp Ser Asp Cys Asp Glu Asp Ser Ala Asp Glu
 20 25 30
 Asp Arg Cys
 35

<210> 38
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CO8A A domain

<400> 38
 Cys Gly Gln Asp Phe Gln Cys Lys Glu Thr Gly Arg Cys Leu Lys Arg
 1 5 10 15
 His Leu Val Cys Asn Gly Asp Gln Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Asp Asp Cys
 35

<210> 39
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human CO8B A domain

 <400> 39
 Cys Glu Gly Phe Val Cys Ala Gln Thr Gly Arg Cys Val Asn Arg Arg
 1 5 10 15
 Leu Leu Cys Asn Gly Asp Asn Asp Cys Gly Asp Gln Ser Asp Glu Ala
 20 25 30
 Asn Cys

 <210> 40
 <211> 34
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human CO9 A domain

 <400> 40
 Cys Gly Asn Asp Phe Gln Cys Ser Thr Gly Arg Cys Ile Lys Met Arg
 1 5 10 15
 Leu Arg Cys Asn Gly Asp Asn Asp Cys Gly Asp Phe Ser Asp Glu Asp
 20 25 30
 Asp Cys

 <210> 41
 <211> 36
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human PERL A domain

 <400> 41
 Cys Thr Glu Ala Glu Phe Ala Cys His Ser Tyr Asn Glu Cys Val Ala
 1 5 10 15
 Leu Glu Tyr Arg Cys Asp Arg Arg Pro Asp Cys Arg Asp Met Ser Asp
 20 25 30
 Glu Leu Asn Cys
 35

 <210> 42
 <211> 35
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human PERL A domain

 <400> 42
 Cys Gly Pro Gln Glu Ala Ala Cys Arg Asn Gly His Cys Ile Pro Arg
 1 5 10 15
 Asp Tyr Leu Cys Asp Gly Gln Glu Asp Cys Glu Asp Gly Ser Asp Glu
 20 25 30
 Leu Asp Cys
 35

 <210> 43
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>

<223> human PERL A domain

<400> 43

Cys	Glu	Pro	Asn	Glu	Phe	Pro	Cys	Gly	Asn	Gly	His	Cys	Ala	Leu	Lys
1				5				10						15	
Leu	Trp	Arg	Cys	Asp	Gly	Asp	Phe	Asp	Cys	Glu	Asp	Arg	Thr	Asp	Glu
			20					25					30		
Ala	Asn	Cys													
			35												

<210> 44

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> human PERL A domain

<400> 44

Cys	Gly	Pro	Thr	Gln	Phe	Arg	Cys	Val	Ser	Thr	Asn	Met	Cys	Ile	Pro
1				5				10						15	
Ala	Ser	Phe	His	Cys	Asp	Glu	Glu	Ser	Asp	Cys	Pro	Asp	Arg	Ser	Asp
			20					25					30		
Glu	Phe	Gly	Cys												
			35												

<210> 45

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> human SORL A domain

<400> 45

Cys	Leu	Arg	Asn	Gln	Tyr	Arg	Cys	Ser	Asn	Gly	Asn	Cys	Ile	Asn	Ser
1				5				10						15	
Ile	Trp	Trp	Cys	Asp	Phe	Asp	Asn	Asp	Cys	Gly	Asp	Met	Ser	Asp	Glu
			20					25					30		
Arg	Asn	Cys													
			35												

<210> 46

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> human SORL A domain

<400> 46

Cys	Asp	Leu	Asp	Thr	Gln	Phe	Arg	Cys	Gln	Glu	Ser	Gly	Thr	Cys	Ile
1				5				10						15	
Pro	Leu	Ser	Tyr	Lys	Cys	Asp	Leu	Glu	Asp	Asp	Cys	Gly	Asp	Asn	Ser
			20					25					30		
Asp	Glu	Ser	His	Cys											
			35												

```

<210> 47
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human SORL A domain

<400> 47
Cys Arg Ser Asp Glu Tyr Asn Cys Ser Ser Gly Met Cys Ile Arg Ser
1      5      10      15
Ser Trp Val Cys Asp Gly Asp Asn Asp Cys Arg Asp Trp Ser Asp Glu
20      25      30
Ala Asn Cys
35

<210> 48
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human SORL A domain

<400> 48
Cys Glu Ala Ser Asn Phe Gln Cys Arg Asn Gly His Cys Ile Pro Gln
1      5      10      15
Arg Trp Ala Cys Asp Gly Asp Thr Asp Cys Gln Asp Gly Ser Asp Glu
20      25      30
Asp Pro Val Asn Cys
35

<210> 49
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> human SORL A domain

<400> 49
Cys Asn Gly Phe Arg Cys Pro Asn Gly Thr Cys Ile Pro Ser Ser Lys
1      5      10      15
His Cys Asp Gly Leu Arg Asp Cys Ser Asp Gly Ser Asp Glu Gln His
20      25      30
Cys

<210> 50
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> human SORL A domain

<400> 50
Cys Thr His Phe Met Asp Phe Val Cys Lys Asn Arg Gln Gln Cys Leu
1      5      10      15

```

Phe His Ser Met Val Cys Asp Gly Ile Ile Gln Cys Arg Asp Gly Ser
 20 25 30
 Asp Glu Asp Ala Ala Phe Ala Gly Cys
 35 40

<210> 51
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human SORL A domain

<400> 51
 Cys Asp Glu Phe Gly Phe Gln Cys Gln Asn Gly Val Cys Ile Ser Leu
 1 5 10 15
 Ile Trp Lys Cys Asp Gly Met Asp Asp Cys Gly Asp Tyr Ser Asp Glu
 20 25 30
 Ala Asn Cys
 35

<210> 52
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human SORL A domain

<400> 52
 Cys Ser Arg Tyr Phe Gln Phe Arg Cys Glu Asn Gly His Cys Ile Pro
 1 5 10 15
 Asn Arg Trp Lys Cys Asp Arg Glu Asn Asp Cys Gly Asp Trp Ser Asp
 20 25 30
 Glu Lys Asp Cys
 35

<210> 53
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human SORL A domain

<400> 53
 Cys Leu Pro Asn Tyr Tyr Arg Cys Ser Ser Gly Thr Cys Val Met Asp
 1 5 10 15
 Thr Trp Val Cys Asp Gly Tyr Arg Asp Cys Ala Asp Gly Ser Asp Glu
 20 25 30
 Glu Ala Cys
 35

<210> 54
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human SORL A domain

<400> 54
 Cys Asp Arg Phe Glu Phe Glu Cys His Gln Pro Lys Thr Cys Ile Pro
 1 5 10 15
 Asn Trp Lys Arg Cys Asp Gly His Gln Asp Cys Gln Asp Gly Arg Asp
 20 25 30
 Glu Ala Asn Cys
 35

<210> 55
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human SORL A domain

<400> 55
 Cys Met Ser Arg Glu Phe Gln Cys Glu Asp Gly Glu Ala Cys Ile Val
 1 5 10 15
 Leu Ser Glu Arg Cys Asp Gly Phe Leu Asp Cys Ser Asp Glu Ser Asp
 20 25 30
 Glu Lys Ala Cys
 35

<210> 56
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ApoER2 A domain

<400> 56
 Cys Glu Lys Asp Gln Phe Gln Cys Arg Asn Glu Arg Cys Ile Pro Ser
 1 5 10 15
 Val Trp Arg Cys Asp Glu Asp Asp Asp Cys Leu Asp His Ser Asp Glu
 20 25 30
 Asp Asp Cys
 35

<210> 57
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human ApoER2 A domain

<400> 57
 Cys Ala Asp Ser Asp Phe Thr Cys Asp Asn Gly His Cys Ile His Glu
 1 5 10 15
 Arg Trp Lys Cys Asp Gly Glu Glu Glu Cys Pro Asp Gly Ser Asp Glu
 20 25 30
 Ser Glu Ala Thr Cys
 35

<210> 58
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>

<223> human ApoER2 A domain

<400> 58

Cys Pro Ala Glu Lys Leu Ser Cys Gly Pro Thr Ser His Lys Cys Val
1 5 10 15
Pro Ala Ser Trp Arg Cys Asp Gly Glu Lys Asp Cys Glu Gly Gly Ala
20 25 30
Asp Glu Ala Gly Cys
35

<210> 59

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> human ApoER2 A domain

<400> 59

Cys Ala Pro His Glu Phe Gln Cys Gly Asn Arg Ser Cys Leu Ala Ala
1 5 10 15
Val Phe Val Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu
20 25 30
Arg Gly Cys
35

<210> 60

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> human ApoER2 A domain

<400> 60

Cys Gly Pro Arg Glu Phe Arg Cys Gly Gly Asp Gly Gly Gly Ala Cys
1 5 10 15
Ile Pro Glu Arg Trp Val Cys Asp Arg Gln Phe Asp Cys Glu Asp Arg
20 25 30
Ser Asp Glu Ala Ala Glu Leu Cys
35 40

<210> 61

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> human ApoER2 A domain

<400> 61

Cys Ala Thr Val Ser Gln Phe Ala Cys Arg Ser Gly Glu Cys Val His
1 5 10 15
Leu Gly Trp Arg Cys Asp Gly Asp Arg Asp Cys Lys Asp Lys Ser Asp
20 25 30
Glu Ala Asp Cys
35

```

<210> 62
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human ApoER2 A domain

<400> 62
Cys Arg Gly Asp Glu Phe Gln Cys Gly Asp Gly Thr Cys Val Leu Ala
1      5      10      15
Ile Lys His Cys Asn Gln Glu Gln Asp Cys Pro Asp Gly Ser Asp Glu
20      25      30
Ala Gly Cys
35

<210> 63
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR) A
domain

<400> 63
Cys Glu Arg Asn Glu Phe Gln Cys Gln Asp Gly Lys Cys Ile Ser Tyr
1      5      10      15
Lys Trp Val Cys Asp Gly Ser Ala Glu Cys Gln Asp Gly Ser Asp Glu
20      25      30
Ser Gln Glu Thr Cys
35

<210> 64
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR) A
domain

<400> 64
Cys Lys Ser Gly Asp Phe Ser Cys Gly Gly Arg Val Asn Arg Cys Ile
1      5      10      15
Pro Gln Phe Trp Arg Cys Asp Gly Gln Val Asp Cys Asp Asn Gly Ser
20      25      30
Asp Glu Gln Gly Cys
35

<210> 65
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR) A
domain

```

<400> 65
 Cys Ser Gln Asp Glu Phe Arg Cys His Asp Gly Lys Cys Ile Ser Arg
 1 5 10 15
 Gln Phe Val Cys Asp Ser Asp Arg Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Ala Ser Cys
 35

<210> 66
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR) A
 domain

<400> 66
 Cys Gly Pro Ala Ser Phe Gln Cys Asn Ser Ser Thr Cys Ile Pro Gln
 1 5 10 15
 Leu Trp Ala Cys Asp Asn Asp Pro Asp Cys Glu Asp Gly Ser Asp Glu
 20 25 30
 Trp Pro Gln Arg Cys
 35

<210> 67
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR) A
 domain

<400> 67
 Cys Ser Ala Phe Glu Phe His Cys Leu Ser Gly Glu Cys Ile His Ser
 1 5 10 15
 Ser Trp Arg Cys Asp Gly Gly Pro Asp Cys Lys Asp Lys Ser Asp Glu
 20 25 30
 Glu Asn Cys
 35

<210> 68
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR) A
 domain

<400> 68
 Cys Arg Pro Asp Glu Phe Gln Cys Ser Asp Gly Asn Cys Ile His Gly
 1 5 10 15
 Ser Arg Gln Cys Asp Arg Glu Tyr Asp Cys Lys Asp Met Ser Asp Glu
 20 25 30
 Val Gly Cys
 35

<210> 69
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR) A domain

<400> 69
 Cys Glu Gly Pro Asn Lys Phe Lys Cys His Ser Gly Glu Cys Ile Thr
 1 5 10 15
 Leu Asp Lys Val Cys Asn Met Ala Arg Asp Cys Arg Asp Trp Ser Asp
 20 25 30
 Glu Pro Ile Lys Glu Cys
 35

<210> 70
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 70
 Cys Glu Pro Ser Gln Phe Gln Cys Thr Asn Gly Arg Cys Ile Thr Leu
 1 5 10 15
 Leu Trp Lys Cys Asp Gly Asp Glu Asp Cys Val Asp Gly Ser Asp Glu
 20 25 30
 Lys Asn Cys
 35

<210> 71
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 71
 Cys Ala Glu Ser Asp Phe Val Cys Asn Asn Gly Gln Cys Val Pro Ser
 1 5 10 15
 Arg Trp Lys Cys Asp Gly Asp Pro Asp Cys Glu Asp Gly Ser Asp Glu
 20 25 30
 Ser Pro Glu Gln Cys
 35

<210> 72
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 72
 Cys Arg Ile His Glu Ile Ser Cys Gly Ala His Ser Thr Gln Cys Ile
 1 5 10 15

Pro Val Ser Trp Arg Cys Asp Gly Glu Asn Asp Cys Asp Ser Gly Glu
 20 25 30
 Asp Glu Glu Asn Cys
 35

<210> 73
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 73
 Cys Ser Pro Asp Glu Phe Thr Cys Ser Ser Gly Arg Cys Ile Ser Arg
 1 5 10 15
 Asn Phe Val Cys Asn Gly Gln Asp Asp Cys Ser Asp Gly Ser Asp Glu
 20 25 30
 Leu Asp Cys
 35

<210> 74
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 74
 Cys Gly Ala His Glu Phe Gln Cys Ser Thr Ser Ser Cys Ile Pro Ile
 1 5 10 15
 Ser Trp Val Cys Asp Asp Asp Ala Asp Cys Ser Asp Gln Ser Asp Glu
 20 25 30
 Ser Leu Glu Gln Cys
 35

<210> 75
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 75
 Cys Pro Ala Ser Glu Ile Gln Cys Gly Ser Gly Glu Cys Ile His Lys
 1 5 10 15
 Lys Trp Arg Cys Asp Gly Asp Pro Asp Cys Lys Asp Gly Ser Asp Glu
 20 25 30
 Val Asn Cys
 35

<210> 76
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 76
 Cys Arg Pro Asp Gln Phe Glu Cys Glu Asp Gly Ser Cys Ile His Gly
 1 5 10 15
 Ser Arg Gln Cys Asn Gly Ile Arg Asp Cys Val Asp Gly Ser Asp Glu
 20 25 30
 Val Asn Cys
 35

<210> 77
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human LDVR A domain

<400> 77
 Cys Leu Gly Pro Gly Lys Phe Lys Cys Arg Ser Gly Glu Cys Ile Asp
 1 5 10 15
 Ile Ser Lys Val Cys Asn Gln Glu Gln Asp Cys Arg Asp Trp Ser Asp
 20 25 30
 Glu Pro Leu Lys Glu Cys
 35

<210> 78
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 78
 Cys Ser Pro Lys Gln Phe Ala Cys Arg Asp Gln Ile Thr Cys Ile Ser
 1 5 10 15
 Lys Gly Trp Arg Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Ala Pro Glu Ile Cys
 35

<210> 79
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 79
 Cys Gln Pro Asn Glu His Asn Cys Leu Gly Thr Glu Leu Cys Val Pro
 1 5 10 15
 Met Ser Arg Leu Cys Asn Gly Val Gln Asp Cys Met Asp Gly Ser Asp
 20 25 30
 Glu Gly Pro His Cys
 35

<210> 80
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 80
 Cys Gln Pro Gly Phe Ala Cys Ala Asn Ser Arg Cys Ile Gln Glu
 1 5 10 15
 Arg Trp Lys Cys Asp Gly Asp Asn Asp Cys Leu Asp Asn Ser Asp Glu
 20 25 30
 Ala Pro Ala Leu Cys
 35

<210> 81
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 81
 Cys Pro Ser Asp Arg Phe Lys Cys Glu Asn Asn Arg Cys Ile Pro Asn
 1 5 10 15
 Arg Trp Leu Cys Asp Gly Asp Asn Asp Cys Gly Asn Ser Glu Asp Glu
 20 25 30
 Ser Asn Ala Thr Cys
 35

<210> 82
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 82
 Cys Pro Pro Asn Gln Phe Ser Cys Ala Ser Gly Arg Cys Ile Pro Ile
 1 5 10 15
 Ser Trp Thr Cys Asp Leu Asp Asp Asp Cys Gly Asp Arg Ser Asp Glu
 20 25 30
 Ser Ala Ser Cys
 35

<210> 83
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 83
 Cys Phe Pro Leu Thr Gln Phe Thr Cys Asn Asn Gly Arg Cys Ile Asn
 1 5 10 15
 Ile Asn Trp Arg Cys Asp Asn Asp Asn Asp Cys Gly Asp Asn Ser Asp
 20 25 30
 Glu Ala Gly Cys
 35

<210> 84
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 84
 Cys Ser Ser Thr Gln Phe Lys Cys Asn Ser Gly Arg Cys Ile Pro Glu
 1 5 10 15
 His Trp Thr Cys Asp Gly Asp Asn Asp Cys Gly Asp Tyr Ser Asp Glu
 20 25 30
 Thr His Ala Asn Cys
 35

<210> 85
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 85
 Cys His Thr Asp Glu Phe Gln Cys Arg Leu Asp Gly Leu Cys Ile Pro
 1 5 10 15
 Leu Arg Trp Arg Cys Asp Gly Asp Thr Asp Cys Met Asp Ser Ser Asp
 20 25 30
 Glu Lys Ser Cys
 35

<210> 86
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 86
 Cys Asp Pro Ser Val Lys Phe Gly Cys Lys Asp Ser Ala Arg Cys Ile
 1 5 10 15
 Ser Lys Ala Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asn Ser
 20 25 30
 Asp Glu Glu Asn Cys
 35

<210> 87
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 87
 Cys Arg Pro Pro Ser His Pro Cys Ala Asn Asn Thr Ser Val Cys Leu
 1 5 10 15
 Pro Pro Asp Lys Leu Cys Asp Gly Asn Asp Asp Cys Gly Asp Gly Ser
 20 25 30
 Asp Glu Gly Glu Leu Cys
 35

<210> 88
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 88
 Cys Arg Ala Gln Asp Glu Phe Glu Cys Ala Asn Gly Glu Cys Ile Asn
 1 5 10 15
 Phe Ser Leu Thr Cys Asp Gly Val Pro His Cys Lys Asp Lys Ser Asp
 20 25 30
 Glu Lys Pro Ser Tyr Cys
 35

<210> 89
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 89
 Cys Lys Lys Thr Phe Arg Gln Cys Ser Asn Gly Arg Cys Val Ser Asn
 1 5 10 15
 Met Leu Trp Cys Asn Gly Ala Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Ile Pro Cys
 35

<210> 90
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 90
 Cys Gly Val Gly Glu Phe Arg Cys Arg Asp Gly Thr Cys Ile Gly Asn
 1 5 10 15
 Ser Ser Arg Cys Asn Gln Phe Val Asp Cys Glu Asp Ala Ser Asp Glu
 20 25 30
 Met Asn Cys
 35

<210> 91
 <211> 45
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 91
 Cys Ser Ser Tyr Phe Arg Leu Gly Val Lys Gly Val Leu Phe Gln Pro
 1 5 10 15
 Cys Glu Arg Thr Ser Leu Cys Tyr Ala Pro Ser Trp Val Cys Asp Gly
 20 25 30
 Ala Asn Asp Cys Gly Asp Tyr Ser Asp Glu Arg Asp Cys
 35 40 45

<210> 92
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 92
 Cys Pro Leu Asn Tyr Phe Ala Cys Pro Ser Gly Arg Cys Ile Pro Met
 1 5 10 15
 Ser Trp Thr Cys Asp Lys Glu Asp Asp Cys Glu His Gly Glu Asp Glu
 20 25 30
 Thr His Cys
 35

<210> 93
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 93
 Cys Ser Glu Ala Gln Phe Glu Cys Gln Asn His Arg Cys Ile Ser Lys
 1 5 10 15
 Gln Trp Leu Cys Asp Gly Ser Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Ala Ala His Cys
 35

<210> 94
 <211> 39
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

 <400> 94
 Cys Gly Pro Ser Ser Phe Ser Cys Pro Gly Thr His Val Cys Val Pro
 1 5 10 15
 Glu Arg Trp Leu Cys Asp Gly Asp Lys Asp Cys Ala Asp Gly Ala Asp
 20 25 30
 Glu Ser Ile Ala Ala Gly Cys
 35

 <210> 95
 <211> 36
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

 <400> 95
 Cys Asp Asp Arg Glu Phe Met Cys Gln Asn Arg Gln Cys Ile Pro Lys
 1 5 10 15
 His Phe Val Cys Asp His Asp Arg Asp Cys Ala Asp Gly Ser Asp Glu
 20 25 30
 Ser Pro Glu Cys
 35

 <210> 96
 <211> 40
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

 <400> 96
 Cys Gly Pro Ser Glu Phe Arg Cys Ala Asn Gly Arg Cys Leu Ser Ser
 1 5 10 15
 Arg Gln Trp Glu Cys Asp Gly Glu Asn Asp Cys His Asp Gln Ser Asp
 20 25 30
 Glu Ala Pro Lys Asn Pro His Cys
 35 40

 <210> 97
 <211> 36
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 97
 Cys Asn Ala Ser Ser Gln Phe Leu Cys Ser Ser Gly Arg Cys Val Ala
 1 5 10 15
 Glu Ala Leu Leu Cys Asn Gly Gln Asp Asp Cys Gly Asp Ser Ser Asp
 20 25 30
 Glu Arg Gly Cys
 35

<210> 98
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 98
 Cys Thr Ala Ser Gln Phe Val Cys Lys Asn Asp Lys Cys Ile Pro Phe
 1 5 10 15
 Trp Trp Lys Cys Asp Thr Glu Asp Asp Cys Gly Asp His Ser Asp Glu
 20 25 30
 Pro Pro Asp Cys
 35

<210> 99
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 99
 Cys Arg Pro Gly Gln Phe Gln Cys Ser Thr Gly Ile Cys Thr Asn Pro
 1 5 10 15
 Ala Phe Ile Cys Asp Gly Asp Asn Asp Cys Gln Asp Asn Ser Asp Glu
 20 25 30
 Ala Asn Cys
 35

<210> 100
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 100
 Cys Leu Pro Ser Gln Phe Lys Cys Thr Asn Thr Asn Arg Cys Ile Pro
 1 5 10 15
 Gly Ile Phe Arg Cys Asn Gly Gln Asp Asn Cys Gly Asp Gly Glu Asp
 20 25 30
 Glu Arg Asp Cys
 35


```

<210> 101
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 101
Cys Ala Pro Asn Gln Phe Gln Cys Ser Ile Thr Lys Arg Cys Ile Pro
1          5          10          15
Arg Val Trp Val Cys Asp Arg Asp Asn Asp Cys Val Asp Gly Ser Asp
20          25          30
Glu Pro Ala Asn Cys
35

<210> 102
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 102
Cys Gly Val Asp Glu Phe Arg Cys Lys Asp Ser Gly Arg Cys Ile Pro
1          5          10          15
Ala Arg Trp Lys Cys Asp Gly Glu Asp Asp Cys Gly Asp Gly Ser Asp
20          25          30
Glu Pro Lys Glu Glu Cys
35

<210> 103
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 103
Cys Glu Pro Tyr Gln Phe Arg Cys Lys Asn Asn Arg Cys Val Pro Gly
1          5          10          15
Arg Trp Gln Cys Asp Tyr Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu
20          25          30
Glu Ser Cys
35

<210> 104
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

```

<400> 104
 Cys Ser Glu Ser Glu Phe Ser Cys Ala Asn Gly Arg Cys Ile Ala Gly
 1 5 10 15
 Arg Trp Lys Cys Asp Gly Asp His Asp Cys Ala Asp Gly Ser Asp Glu
 20 25 30
 Lys Asp Cys
 35

<210> 105
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 105
 Cys Asp Met Asp Gln Phe Gln Cys Lys Ser Gly His Cys Ile Pro Leu
 1 5 10 15
 Arg Trp Arg Cys Asp Ala Asp Ala Asp Cys Met Asp Gly Ser Asp Glu
 20 25 30
 Glu Ala Cys
 35

<210> 106
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 106
 Cys Pro Leu Asp Glu Phe Gln Cys Asn Asn Thr Leu Cys Lys Pro Leu
 1 5 10 15
 Ala Trp Lys Cys Asp Gly Glu Asp Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Asn Pro Glu Glu Cys
 35

<210> 107
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

<400> 107
 Cys Pro Pro Asn Arg Pro Phe Arg Cys Lys Asn Asp Arg Val Cys Leu
 1 5 10 15
 Trp Ile Gly Arg Gln Cys Asp Gly Thr Asp Asn Cys Gly Asp Gly Thr
 20 25 30
 Asp Glu Glu Asp Cys
 35

<210> 108
 <211> 36
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1 (LRP1) A domain

 <400> 108
 Cys Lys Asp Lys Lys Glu Phe Leu Cys Arg Asn Gln Arg Cys Leu Ser
 1 5 10 15
 Ser Ser Leu Arg Cys Asn Met Phe Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Glu Asp Cys
 35

 <210> 109
 <211> 35
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

 <400> 109
 Cys Asp Ser Ala His Phe Arg Cys Gly Ser Gly His Cys Ile Pro Ala
 1 5 10 15
 Asp Trp Arg Cys Asp Gly Thr Lys Asp Cys Ser Asp Asp Ala Asp Glu
 20 25 30
 Ile Gly Cys
 35

 <210> 110
 <211> 37
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

 <400> 110
 Cys Gln Gln Gly Tyr Phe Lys Cys Gln Ser Glu Gly Gln Cys Ile Pro
 1 5 10 15
 Ser Ser Trp Val Cys Asp Gln Asp Gln Asp Cys Asp Asp Gly Ser Asp
 20 25 30
 Glu Arg Gln Asp Cys
 35

 <210> 111
 <211> 35
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 111
 Cys Ser Ser His Gln Ile Thr Cys Ser Asn Gly Gln Cys Ile Pro Ser
 1 5 10 15
 Glu Tyr Arg Cys Asp His Val Arg Asp Cys Pro Asp Gly Ala Asp Glu
 20 25 30
 Asn Asp Cys
 35

<210> 112
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 112
 Cys Glu Gln Leu Thr Cys Asp Asn Gly Ala Cys Tyr Asn Thr Ser Gln
 1 5 10 15
 Lys Cys Asp Trp Lys Val Asp Cys Arg Asp Ser Ser Asp Glu Ile Asn
 20 25 30
 Cys

<210> 113
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 113
 Cys Leu His Asn Glu Phe Ser Cys Gly Asn Gly Glu Cys Ile Pro Arg
 1 5 10 15
 Ala Tyr Val Cys Asp His Asp Asn Asp Cys Gln Asp Gly Ser Asp Glu
 20 25 30
 His Ala Cys
 35

<210> 114
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 114
 Cys Gly Gly Tyr Gln Phe Thr Cys Pro Ser Gly Arg Cys Ile Tyr Gln
 1 5 10 15
 Asn Trp Val Cys Asp Gly Glu Asp Asp Cys Lys Asp Asn Gly Asp Glu
 20 25 30
 Asp Gly Cys
 35

<210> 115
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 115
 Cys Ser Pro Arg Glu Trp Ser Cys Pro Glu Ser Gly Arg Cys Ile Ser
 1 5 10 15
 Ile Tyr Lys Val Cys Asp Gly Ile Leu Asp Cys Pro Gly Arg Glu Asp
 20 25 30
 Glu Asn Asn Thr Ser Thr Gly Lys Tyr Cys
 35 40

<210> 116
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 116
 Cys Gly Leu Phe Ser Phe Pro Cys Lys Asn Gly Arg Cys Val Pro Asn
 1 5 10 15
 Tyr Tyr Leu Cys Asp Gly Val Asp Asp Cys His Asp Asn Ser Asp Glu
 20 25 30
 Gln Leu Cys
 35

<210> 117
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 117
 Cys Ser Ser Ser Ala Phe Thr Cys Gly His Gly Glu Cys Ile Pro Ala
 1 5 10 15
 His Trp Arg Cys Asp Lys Arg Asn Asp Cys Val Asp Gly Ser Asp Glu
 20 25 30
 His Asn Cys
 35

<210> 118
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 118
 Cys Leu Asp Thr Gln Tyr Thr Cys Asp Asn His Gln Cys Ile Ser Lys
 1 5 10 15
 Asn Trp Val Cys Asp Thr Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Lys Asn Cys
 35

<210> 119
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 119
 Cys Gln Pro Ser Gln Phe Asn Cys Pro Asn His Arg Cys Ile Asp Leu
 1 5 10 15
 Ser Phe Val Cys Asp Gly Asp Lys Asp Cys Val Asp Gly Ser Asp Glu
 20 25 30
 Val Gly Cys
 35

<210> 120
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 120
 Cys Thr Ala Ser Gln Phe Lys Cys Ala Ser Gly Asp Lys Cys Ile Gly
 1 5 10 15
 Val Thr Asn Arg Cys Asp Gly Val Phe Asp Cys Ser Asp Asn Ser Asp
 20 25 30
 Glu Ala Gly Cys
 35

<210> 121
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 121
 Cys His Ser Asp Glu Phe Gln Cys Gln Glu Asp Gly Ile Cys Ile Pro
 1 5 10 15
 Asn Phe Trp Glu Cys Asp Gly His Pro Asp Cys Leu Tyr Gly Ser Asp
 20 25 30
 Glu His Asn Ala Cys
 35

<210> 122
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 122
 Cys Pro Ser Ser Tyr Phe His Cys Asp Asn Gly Asn Cys Ile His Arg
 1 5 10 15
 Ala Trp Leu Cys Asp Arg Asp Asn Asp Cys Gly Asp Met Ser Asp Glu
 20 25 30
 Lys Asp Cys
 35

<210> 123
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 123
 Cys Pro Ser Trp Gln Trp Gln Cys Leu Gly His Asn Ile Cys Val Asn
 1 5 10 15
 Leu Ser Val Val Cys Asp Gly Ile Phe Asp Cys Pro Asn Gly Thr Asp
 20 25 30
 Glu Ser Pro Leu Cys
 35

<210> 124
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 124
 Cys Gly Ala Ser Ser Phe Thr Cys Ser Asn Gly Arg Cys Ile Ser Glu
 1 5 10 15
 Glu Trp Lys Cys Asp Asn Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Met Glu Ser Val Cys
 35

<210> 125
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 125
 Cys Ser Pro Thr Ala Phe Thr Cys Ala Asn Gly Arg Cys Val Gln Tyr
 1 5 10 15
 Ser Tyr Arg Cys Asp Tyr Tyr Asn Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Ala Gly Cys
 35

<210> 126
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 126
 Cys Asn Ala Thr Thr Glu Phe Met Cys Asn Asn Arg Arg Cys Ile Pro
 1 5 10 15
 Arg Glu Phe Ile Cys Asn Gly Val Asp Asn Cys His Asp Asn Asn Thr
 20 25 30
 Ser Asp Glu Lys Asn Cys
 35

<210> 127
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 127
 Cys Gln Ser Gly Tyr Thr Lys Cys His Asn Ser Asn Ile Cys Ile Pro
 1 5 10 15
 Arg Val Tyr Leu Cys Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp
 20 25 30
 Glu Asn Pro Thr Tyr Cys
 35

<210> 128
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 128
 Cys Ser Ser Ser Glu Phe Gln Cys Ala Ser Gly Arg Cys Ile Pro Gln
 1 5 10 15
 His Trp Tyr Cys Asp Gln Glu Thr Asp Cys Phe Asp Ala Ser Asp Glu
 20 25 30
 Pro Ala Ser Cys
 35

<210> 129
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 129
 Cys Leu Ala Asp Glu Phe Lys Cys Asp Gly Gly Arg Cys Ile Pro Ser
 1 5 10 15
 Glu Trp Ile Cys Asp Gly Asp Asn Asp Cys Gly Asp Met Ser Asp Glu
 20 25 30
 Asp Lys Arg His Gln Cys
 35

<210> 130
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 130
 Cys Ser Asp Ser Glu Phe Leu Cys Val Asn Asp Arg Pro Pro Asp Arg
 1 5 10 15
 Arg Cys Ile Pro Gln Ser Trp Val Cys Asp Gly Asp Val Asp Cys Thr
 20 25 30
 Asp Gly Tyr Asp Glu Asn Gln Asn Cys
 35 40

<210> 131
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 131
 Cys Ser Glu Asn Glu Phe Thr Cys Gly Tyr Gly Leu Cys Ile Pro Lys
 1 5 10 15
 Ile Phe Arg Cys Asp Arg His Asn Asp Cys Gly Asp Tyr Ser Asp Glu
 20 25 30
 Arg Gly Cys
 35

<210> 132
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 132
 Cys Gln Gln Asn Gln Phe Thr Cys Gln Asn Gly Arg Cys Ile Ser Lys
 1 5 10 15
 Thr Phe Val Cys Asp Glu Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Leu Met His Leu Cys
 35

<210> 133
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 133
 Cys Pro Pro His Glu Phe Lys Cys Asp Asn Gly Arg Cys Ile Glu Met
 1 5 10 15
 Met Lys Leu Cys Asn His Leu Asp Asp Cys Leu Asp Asn Ser Asp Glu
 20 25 30
 Lys Gly Cys
 35

<210> 134
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 134
 Cys Ser Ser Thr Gln Phe Leu Cys Ala Asn Asn Glu Lys Cys Ile Pro
 1 5 10 15
 Ile Trp Trp Lys Cys Asp Gly Gln Lys Asp Cys Ser Asp Gly Ser Asp
 20 25 30
 Glu Leu Ala Leu Cys
 35

<210> 135
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 135
 Cys Arg Leu Gly Gln Phe Gln Cys Ser Asp Gly Asn Cys Thr Ser Pro
 1 5 10 15
 Gln Thr Leu Cys Asn Ala His Gln Asn Cys Pro Asp Gly Ser Asp Glu
 20 25 30
 Asp Arg Leu Leu Cys
 35

<210> 136
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 136

Cys	Asp	Ser	Asn	Glu	Trp	Gln	Cys	Ala	Asn	Lys	Arg	Cys	Ile	Pro	Glu
1				5					10				15		
Ser	Trp	Gln	Cys	Asp	Thr	Phe	Asn	Asp	Cys	Glu	Asp	Asn	Ser	Asp	Glu
			20					25					30		
Asp	Ser	Ser	His	Cys											
			35												

<210> 137

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 137

Cys	Arg	Pro	Gly	Gln	Phe	Arg	Cys	Ala	Asn	Gly	Arg	Cys	Ile	Pro	Gln
1				5					10				15		
Ala	Trp	Lys	Cys	Asp	Val	Asp	Asn	Asp	Cys	Gly	Asp	His	Ser	Asp	Glu
			20					25					30		
Pro	Ile	Glu	Glu	Cys											
			35												

<210> 138

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 138

Cys	Asp	Asn	Phe	Thr	Glu	Phe	Ser	Cys	Lys	Thr	Asn	Tyr	Arg	Cys	Ile
1				5					10				15		
Pro	Lys	Trp	Ala	Val	Cys	Asn	Gly	Val	Asp	Asp	Cys	Arg	Asp	Asn	Ser
			20					25					30		
Asp	Glu	Gln	Gly	Cys											
			35												

<210> 139

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 139
 Cys His Pro Val Gly Asp Phe Arg Cys Lys Asn His His Cys Ile Pro
 1 5 10 15
 Leu Arg Trp Gln Cys Asp Gly Gln Asn Asp Cys Gly Asp Asn Ser Asp
 20 25 30
 Glu Glu Asn Cys
 35

<210> 140

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 140
 Cys Thr Glu Ser Glu Phe Arg Cys Val Asn Gln Gln Cys Ile Pro Ser
 1 5 10 15
 Arg Trp Ile Cys Asp His Tyr Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Arg Asp Cys
 35

<210> 141

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 141
 Cys His Pro Glu Tyr Phe Gln Cys Thr Ser Gly His Cys Val His Ser
 1 5 10 15
 Glu Leu Lys Cys Asp Gly Ser Ala Asp Cys Leu Asp Ala Ser Asp Glu
 20 25 30
 Ala Asp Cys
 35

<210> 142

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> human low-density lipoprotein receptor (LDLR)
 related protein 2 (LRP2) A domain

<400> 142
 Cys Gln Ala Thr Met Phe Glu Cys Lys Asn His Val Cys Ile Pro Pro
 1 5 10 15
 Tyr Trp Lys Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Glu Leu His Leu Cys
 35

```

<210> 143
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 143
Cys Asn Ser Pro Asn Arg Phe Arg Cys Asp Asn Asn Arg Cys Ile Tyr
 1          5          10          15
Ser His Glu Val Cys Asn Gly Val Asp Asp Cys Gly Asp Gly Thr Asp
      20          25          30
Glu Thr Glu Glu His Cys
      35

<210> 144
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 144
Cys Thr Glu Tyr Glu Tyr Lys Cys Gly Asn Gly His Cys Ile Pro His
 1          5          10          15
Asp Asn Val Cys Asp Asp Ala Asp Asp Cys Gly Asp Trp Ser Asp Glu
      20          25          30
Leu Gly Cys
      35

<210> 145
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 145
Cys Asp Pro Gly Glu Phe Leu Cys His Asp His Val Thr Cys Val Ser
 1          5          10          15
Gln Ser Trp Leu Cys Asp Gly Asp Pro Asp Cys Pro Asp Asp Ser Asp
      20          25          30
Glu Ser Leu Asp Thr Cys
      35

<210> 146
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

```

<400> 146
 Cys Pro Leu Asn His Ile Ala Cys Leu Gly Thr Asn Lys Cys Val His
 1 5 10 15
 Leu Ser Gln Leu Cys Asn Gly Val Leu Asp Cys Pro Asp Gly Tyr Asp
 20 25 30
 Glu Gly Val His Cys
 35

<210> 147
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 147
 Cys Lys Ala Gly Glu Phe Arg Cys Lys Asn Arg His Cys Ile Gln Ala
 1 5 10 15
 Arg Trp Lys Cys Asp Gly Asp Asp Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Asp Ser Val Asn Cys
 35

<210> 148
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 148
 Cys Pro Asp Asp Gln Phe Lys Cys Gln Asn Asn Arg Cys Ile Pro Lys
 1 5 10 15
 Arg Trp Leu Cys Asp Gly Ala Asn Asp Cys Gly Ser Asn Glu Asp Glu
 20 25 30
 Ser Asn Gln Thr Cys
 35

<210> 149
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 149
 Cys Gln Val Asp Gln Phe Ser Cys Gly Asn Gly Arg Cys Ile Pro Arg
 1 5 10 15
 Ala Trp Leu Cys Asp Arg Glu Asp Asp Cys Gly Asp Gln Thr Asp Glu
 20 25 30
 Met Ala Ser Cys
 35

<210> 150
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 150
 Cys Glu Pro Leu Thr Gln Phe Val Cys Lys Ser Gly Arg Cys Ile Ser
 1 5 10 15
 Ser Lys Trp His Cys Asp Ser Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Val Gly Cys
 35

<210> 151
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 151
 Cys Phe Asp Asn Gln Phe Arg Cys Ser Ser Gly Arg Cys Ile Pro Gly
 1 5 10 15
 His Trp Ala Cys Asp Gly Asp Asn Asp Cys Gly Asp Phe Ser Asp Glu
 20 25 30
 Ala Gln Ile Asn Cys
 35

<210> 152
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 152
 Cys Asn Gly Asn Glu Phe Gln Cys His Pro Asp Gly Asn Cys Val Pro
 1 5 10 15
 Asp Leu Trp Arg Cys Asp Gly Glu Lys Asp Cys Glu Asp Gly Ser Asp
 20 25 30
 Glu Lys Gly Cys
 35

<210> 153
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 153
 Cys Asp His Lys Thr Lys Phe Ser Cys Trp Ser Thr Gly Arg Cys Ile
 1 5 10 15
 Asn Lys Ala Trp Val Cys Asp Gly Asp Ile Asp Cys Glu Asp Gln Ser
 20 25 30
 Asp Glu Asp Asp Cys
 35

<210> 154
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 154
 Cys Gly Pro Pro Lys His Pro Cys Ala Asn Asp Thr Ser Val Cys Leu
 1 5 10 15
 Gln Pro Glu Lys Leu Cys Asn Gly Lys Lys Asp Cys Pro Asp Gly Ser
 20 25 30
 Asp Glu Gly Tyr Leu Cys
 35

<210> 155
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 155
 Cys Asn Ala Tyr Ser Glu Phe Glu Cys Gly Asn Gly Glu Cys Ile Asp
 1 5 10 15
 Tyr Gln Leu Thr Cys Asp Gly Ile Pro His Cys Lys Asp Lys Ser Asp
 20 25 30
 Glu Lys Leu Leu Tyr Cys
 35

<210> 156
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 156
 Cys Arg Arg Gly Phe Lys Pro Cys Tyr Asn Arg Arg Cys Ile Pro His
 1 5 10 15
 Gly Lys Leu Cys Asp Gly Glu Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Leu Asp Cys
 35


```

<210> 157
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 157
Cys Ala Thr Val Glu Phe Arg Cys Ala Asp Gly Thr Cys Ile Pro Arg
 1             5             10             15
Ser Ala Arg Cys Asn Gln Asn Ile Asp Cys Ala Asp Ala Ser Asp Glu
      20             25             30
Lys Asn Cys
      35

<210> 158
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 158
Cys Thr His Phe Tyr Lys Leu Gly Val Lys Thr Thr Gly Phe Ile Arg
 1             5             10             15
Cys Asn Ser Thr Ser Leu Cys Val Leu Pro Thr Trp Ile Cys Asp Gly
      20             25             30
Ser Asn Asp Cys Gly Asp Tyr Ser Asp Glu Leu Lys Cys
      35             40             45

<210> 159
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 159
Cys Glu Glu Asn Tyr Phe Ser Cys Pro Ser Gly Arg Cys Ile Leu Asn
 1             5             10             15
Thr Trp Ile Cys Asp Gly Gln Lys Asp Cys Glu Asp Gly Arg Asp Glu
      20             25             30
Phe His Cys
      35

<210> 160
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

```

<400> 160
 Cys Ser Trp Asn Gln Phe Ala Cys Ser Ala Gln Lys Cys Ile Ser Lys
 1 5 10 15
 His Trp Ile Cys Asp Gly Glu Asp Asp Cys Gly Asp Gly Leu Asp Glu
 20 25 30
 Ser Asp Ser Ile Cys
 35

<210> 161
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 161
 Cys Ala Ala Asp Met Phe Ser Cys Gln Gly Ser Arg Ala Cys Val Pro
 1 5 10 15
 Arg His Trp Leu Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Leu Ser Thr Ala Gly Cys
 35

<210> 162
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 162
 Cys Asp Glu Asn Ala Phe Met Cys His Asn Lys Val Cys Ile Pro Lys
 1 5 10 15
 Gln Phe Val Cys Asp His Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Ser Pro Gln Cys
 35

<210> 163
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 163
 Cys Gly Thr Glu Glu Phe Ser Cys Ala Asp Gly Arg Cys Leu Leu Asn
 1 5 10 15
 Thr Gln Trp Gln Cys Asp Gly Asp Phe Asp Cys Pro Asp His Ser Asp
 20 25 30
 Glu Ala Pro Leu Asn Pro Lys Cys
 35 40

<210> 164
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 164
 Cys Asn Ser Ser Phe Phe Met Cys Lys Asn Gly Arg Cys Ile Pro Ser
 1 5 10 15
 Gly Gly Leu Cys Asp Asn Lys Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Arg Asn Cys
 35

<210> 165
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 165
 Cys Thr Ala Ser Gln Phe Arg Cys Lys Thr Asp Lys Cys Ile Pro Phe
 1 5 10 15
 Trp Trp Lys Cys Asp Thr Val Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Pro Asp Asp Cys
 35

<210> 166
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 166
 Cys Gln Pro Gly Arg Phe Gln Cys Gly Thr Gly Leu Cys Ala Leu Pro
 1 5 10 15
 Ala Phe Ile Cys Asp Gly Glu Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Leu Asn Cys
 35

<210> 167
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 167
 Cys Leu Ser Gly Gln Phe Lys Cys Thr Lys Asn Gln Lys Cys Ile Pro
 1 5 10 15
 Val Asn Leu Arg Cys Asn Gly Gln Asp Asp Cys Gly Asp Glu Glu Asp
 20 25 30
 Glu Arg Asp Cys
 35

<210> 168
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 168
 Cys Ser Pro Asp Tyr Phe Gln Cys Lys Thr Thr Lys His Cys Ile Ser
 1 5 10 15
 Lys Leu Trp Val Cys Asp Glu Asp Pro Asp Cys Ala Asp Ala Ser Asp
 20 25 30
 Glu Ala Asn Cys
 35

<210> 169
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 169
 Cys Gly Pro His Glu Phe Gln Cys Lys Asn Asn Asn Cys Ile Pro Asp
 1 5 10 15
 His Trp Arg Cys Asp Ser Gln Asn Asp Cys Ser Asp Asn Ser Asp Glu
 20 25 30
 Glu Asn Cys
 35

<210> 170
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 170
 Cys Thr Leu Lys Asp Phe Leu Cys Ala Asn Gly Asp Cys Val Ser Ser
 1 5 10 15
 Arg Phe Trp Cys Asp Gly Asp Phe Asp Cys Ala Asp Gly Ser Asp Glu
 20 25 30
 Arg Asn Cys
 35

```

<210> 171
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 171
Cys Ser Lys Asp Gln Phe Arg Cys Ser Asn Gly Gln Cys Ile Pro Ala
 1           5           10           15
Lys Trp Lys Cys Asp Gly His Glu Asp Cys Lys Tyr Gly Glu Asp Glu
 20           25           30
Lys Ser Cys
 35

<210> 172
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 172
Cys Ser Ser Arg Glu Tyr Ile Cys Ala Ser Asp Gly Cys Ile Ser Ala
 1           5           10           15
Ser Leu Lys Cys Asn Gly Glu Tyr Asp Cys Ala Asp Gly Ser Asp Glu
 20           25           30
Met Asp Cys
 35

<210> 173
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 173
Cys Lys Glu Asp Gln Phe Arg Cys Lys Asn Lys Ala His Cys Ile Pro
 1           5           10           15
Ile Arg Trp Leu Cys Asp Gly Ile His Asp Cys Val Asp Gly Ser Asp
 20           25           30
Glu Glu Asn Cys
 35

<210> 174
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

```

<400> 174
 Cys Arg Ala Asp Glu Phe Leu Cys Asn Asn Ser Leu Cys Lys Leu His
 1 5 10 15
 Phe Trp Val Cys Asp Gly Glu Asp Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Ala Pro Asp Met Cys
 35

<210> 175
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 175
 Cys Pro Ser Thr Arg Pro His Arg Cys Arg Asn Asn Arg Ile Cys Leu
 1 5 10 15
 Gln Ser Glu Gln Met Cys Asn Gly Ile Asp Glu Cys Gly Asp Asn Ser
 20 25 30
 Asp Glu Asp His Cys
 35

<210> 176
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human low-density lipoprotein receptor (LDLR)
 related protein 1B (LR1B) A domain

<400> 176
 Cys Lys Lys Asp Glu Phe Ala Cys Ser Asn Lys Lys Cys Ile Pro Met
 1 5 10 15
 Asp Leu Gln Cys Asp Arg Leu Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20 25 30
 Gln Gly Cys
 35

<210> 177
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 177
 Cys Ala Glu Gly Glu Ala Leu Cys Gln Glu Asn Gly His Cys Val Pro
 1 5 10 15
 His Gly Trp Leu Cys Asp Asn Gln Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Glu Gly Glu Cys
 35

<210> 178
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 178
 Cys Gly Glu Gly Gln Met Thr Cys Ser Ser Gly His Cys Leu Pro Leu
 1 5 10 15
 Ala Leu Leu Cys Asp Arg Gln Asp Asp Cys Gly Asp Gly Thr Asp Glu
 20 25 30
 Pro Ser Tyr Pro Cys
 35

<210> 179
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 179
 Cys Pro Gln Gly Leu Leu Ala Cys Ala Asp Gly Arg Cys Leu Pro Pro
 1 5 10 15
 Ala Leu Leu Cys Asp Gly His Pro Asp Cys Leu Asp Ala Ala Asp Glu
 20 25 30
 Glu Ser Cys
 35

<210> 180
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 180
 Cys Val Pro Gly Glu Val Ser Cys Val Asp Gly Thr Cys Leu Gly Ala
 1 5 10 15
 Ile Gln Leu Cys Asp Gly Val Trp Asp Cys Pro Asp Gly Ala Asp Glu
 20 25 30
 Gly Pro Gly His Cys
 35

<210> 181
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSP00000262089 = O75851 A domain

<400> 181
 Cys Gly Pro Phe Glu Phe Arg Cys Gly Ser Gly Glu Cys Thr Pro Arg
 1 5 10 15

Gly Trp Arg Cys Asp Gln Glu Glu Asp Cys Ala Asp Gly Ser Asp Glu
 20 25 30
 Arg Gly Cys
 35

<210> 182
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSP00000262089 A domain

<400> 182
 Cys Ala Pro His His Ala Pro Cys Ala Arg Gly Pro His Cys Val Ser
 1 5 10 15
 Pro Glu Gln Leu Cys Asp Gly Val Arg Gln Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Gly Pro Asp Ala Cys
 35

<210> 183
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 183
 Cys Pro Gly Leu Phe Pro Cys Gly Val Ala Pro Gly Leu Cys Leu Thr
 1 5 10 15
 Pro Glu Gln Leu Cys Asp Gly Ile Pro Asp Cys Pro Gln Gly Glu Asp
 20 25 30
 Glu Leu Asp Cys
 35

<210> 184
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 184
 Cys Pro Glu Tyr Thr Cys Pro Asn Gly Thr Cys Ile Gly Phe Gln Leu
 1 5 10 15
 Val Cys Asp Gly Gln Pro Asp Cys Gly Arg Pro Gly Gln Val Gly Pro
 20 25 30
 Ser Pro Glu Glu Gln Gly Cys
 35

<210> 185
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 185
 Cys Glu Pro Gly Val Gly Leu Arg Cys Ala Ser Gly Glu Cys Val Leu
 1 5 10 15
 Arg Gly Gly Pro Cys Asp Gly Val Leu Asp Cys Glu Asp Gly Ser Asp
 20 25 30
 Glu Glu Gly Cys
 35

<210> 186
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSP00000262089 A domain

<400> 186
 Cys Gly Pro Gly Gln Thr Pro Cys Glu Val Leu Gly Cys Val Glu Gln
 1 5 10 15
 Ala Gln Val Cys Asp Gly Arg Glu Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Arg His Cys
 35

<210> 187
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> O75851 A domain

<400> 187
 Cys Ser Pro Ser Gln Leu Ser Cys Gly Ser Gly Glu Cys Leu Ser Ala
 1 5 10 15
 Glu Arg Arg Cys Asp Leu Arg Pro Asp Cys Gln Asp Gly Ser Asp Glu
 20 25 30
 Asp Gly Cys
 35

<210> 188
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C18oRF1 A domain

<400> 188
 Cys Lys Phe Thr Cys Thr Ser Gly Lys Cys Leu Tyr Leu Gly Ser Leu
 1 5 10 15
 Val Cys Asn Gln Gln Asn Asp Cys Gly Asp Asn Ser Asp Glu Glu Asn
 20 25 30
 Cys

<210> 189
 <211> 36
 <212> PRT
 <213> Artificial Sequence

```

<220>
<223> AAH07083/Q9NPF0 A domain

<400> 189
Cys Pro Pro Thr Lys Phe Gln Cys Arg Thr Ser Gly Leu Cys Val Pro
 1          5          10          15
Leu Thr Trp Arg Cys Asp Arg Asp Leu Asp Cys Ser Asp Gly Ser Asp
 20          25          30
Glu Glu Glu Cys
 35

<210> 190
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> AAH07083/Q9NPF0 A domain

<400> 190
Cys Leu Ala Gly Glu Leu Arg Cys Thr Leu Ser Asp Asp Cys Ile Pro
 1          5          10          15
Leu Thr Trp Arg Cys Asp Gly His Pro Asp Cys Pro Asp Ser Ser Asp
 20          25          30
Glu Leu Gly Cys
 35

<210> 191
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Q9HBX9 A domain

<400> 191
Cys Ser Leu Gly Tyr Phe Pro Cys Gly Asn Ile Thr Lys Cys Leu Pro
 1          5          10          15
Gln Leu Leu His Cys Asn Gly Val Asp Asp Cys Gly Asn Gln Ala Asp
 20          25          30
Glu Asp Asn Cys
 35

<210> 192
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Q9BY79/Q96DQ9 A domain

<400> 192
Cys Ala His Asp Glu Phe Arg Cys Asp Gln Leu Ile Cys Leu Leu Pro
 1          5          10          15
Asp Ser Val Cys Asp Gly Phe Ala Asn Cys Ala Asp Gly Ser Asp Glu
 20          25          30
Thr Asn Cys
 35

```

```

<210> 193
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Q9BY79/Q96DQ9 A domain

<400> 193
Cys Gly Pro Ser Glu Leu Ser Cys Gln Ala Gly Gly Cys Lys Gly Val
 1          5          10          15
Gln Trp Met Cys Asp Met Trp Arg Asp Cys Thr Asp Gly Ser Asp Asp
 20          25          30
Asn Cys

<210> 194
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> BAB55257 = ENSP00000239367 A domain

<400> 194
Cys Ser Arg Tyr His Phe Phe Cys Asp Asp Gly Cys Cys Ile Asp Ile
 1          5          10          15
Thr Leu Ala Cys Asp Gly Val Gln Gln Cys Pro Asp Gly Ser Asp Glu
 20          25          30
Asp Phe Cys
 35

<210> 195
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> O95518 = ENSP00000255793 A domain

<400> 195
Cys Pro Gly Glu Phe Leu Cys Ser Val Asn Gly Leu Cys Val Pro Ala
 1          5          10          15
Cys Asp Gly Val Lys Asp Cys Pro Asn Gly Leu Asp Glu Arg Asn Cys
 20          25          30

<210> 196
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSP00000255793 A domain

<400> 196
Cys Arg Ala Thr Phe Gln Cys Lys Glu Asp Ser Thr Cys Ile Ser Leu
 1          5          10          15
Pro Lys Val Cys Asp Gly Gln Pro Asp Cys Leu Asn Gly Ser Asp Glu
 20          25          30
Glu Gln Cys
 35

```

<210> 197
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSP00000255793 A domain

<400> 197
 Cys Gly Thr Phe Thr Phe Gln Cys Glu Asp Arg Ser Cys Val Lys Lys
 1 5 10 15
 Pro Asn Pro Gln Cys Asp Gly Arg Pro Asp Cys Arg Asp Gly Ser Asp
 20 25 30
 Glu Glu His Cys
 35

<210> 198
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Q8WXD0 A domain

<400> 198
 Cys Gln Lys Gly Tyr Phe Pro Cys Gly Asn Leu Thr Lys Cys Leu Pro
 1 5 10 15
 Arg Ala Phe His Cys Asp Gly Lys Asp Asp Cys Gly Asn Gly Ala Asp
 20 25 30
 Glu Glu Asn Cys
 35

<210> 199
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Q8NBJ0 A domain

<400> 199
 Cys Ser Thr Ala Arg Tyr His Cys Lys Asn Gly Leu Cys Ile Asp Lys
 1 5 10 15
 Ser Phe Ile Cys Asp Gly Gln Asn Asn Cys Gln Asp Asn Ser Asp Glu
 20 25 30
 Glu Ser Cys
 35

<210> 200
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Q8NBJ0 A domain

<400> 200
 Cys Gly Pro Thr Phe Phe Pro Cys Ala Ser Gly Ile His Cys Ile Ile
 1 5 10 15

Gly Arg Phe Arg Cys Asn Gly Phe Glu Asp Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Glu Asn Cys
 35

<210> 201
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Q8NBJ0 A domain

<400> 201
 Cys Asn Ile Pro Gly Asn Phe Met Cys Ser Asn Gly Arg Cys Ile Pro
 1 5 10 15
 Gly Ala Trp Gln Cys Asp Gly Leu Pro Asp Cys Phe Asp Lys Ser Asp
 20 25 30
 Glu Lys Glu Cys
 35

<210> 202
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 202
 Cys Ala Leu Asp Gln Phe Leu Cys Trp Asn Gly Arg Cys Ile Gly Gln
 1 5 10 15
 Arg Lys Leu Cys Asn Gly Val Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Ser Pro Gln Gln Asn Cys
 35

<210> 203
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 203
 Cys Glu Glu Asp Glu Phe Pro Cys Gln Asn Gly Tyr Cys Ile Arg Ser
 1 5 10 15
 Leu Trp His Cys Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20 25 30
 Gln Cys

<210> 204
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 204
 Cys Arg Ser Gly Glu Phe Met Cys Asp Ser Gly Leu Cys Ile Asn Ala
 1 5 10 15
 Gly Trp Arg Cys Asp Gly Asp Ala Asp Cys Asp Asp Gln Ser Asp Glu
 20 25 30
 Arg Asn Cys
 35

<210> 205
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 205
 Cys Thr Ala Glu Gln Phe Arg Cys His Ser Gly Arg Cys Val Arg Leu
 1 5 10 15
 Ser Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu
 20 25 30
 Glu Asn Cys
 35

<210> 206
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 206
 Cys Ser Pro Leu Asp Phe His Cys Asp Asn Gly Lys Cys Ile Arg Arg
 1 5 10 15
 Ser Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu
 20 25 30
 Gln Asp Cys
 35

<210> 207
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> MEGF7 A domain

<400> 207
 Cys Asn Leu Glu Glu Phe Gln Cys Ala Tyr Gly Arg Cys Ile Leu Asp
 1 5 10 15
 Ile Tyr His Cys Asp Gly Asp Asp Asp Cys Gly Asp Trp Ser Asp Glu
 20 25 30
 Ser Asp Cys
 35

<210> 208
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>

<223> MEGF7 A domain

<400> 208

Cys	Ser	Asp	Lys	Glu	Phe	Arg	Cys	Ser	Asp	Gly	Ser	Cys	Ile	Ala	Glu
1				5				10					15		
His	Trp	Tyr	Cys	Asp	Gly	Asp	Thr	Asp	Cys	Lys	Asp	Gly	Ser	Asp	Glu
			20					25					30		
Glu	Asn	Cys													
		35													

<210> 209

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> MEGF7 A domain

<400> 209

Cys	Gly	Arg	Ser	His	Phe	Thr	Cys	Ala	Val	Ser	Ala	Leu	Gly	Glu	Cys
1				5				10					15		
Thr	Cys	Ile	Pro	Ala	Gln	Trp	Gln	Cys	Asp	Gly	Asp	Asn	Asp	Cys	Gly
			20					25					30		
Asp	His	Ser	Asp	Glu	Asp	Gly	Cys								
		35					40								

<210> 210

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> CAD61944 A domain

<400> 210

Cys	Leu	Gln	Glu	Glu	Phe	Gln	Cys	Leu	Asn	His	Arg	Cys	Val	Ser	Ala
1				5				10					15		
Val	Gln	Arg	Cys	Asp	Gly	Val	Asp	Ala	Cys	Gly	Asp	Gly	Ser	Asp	Glu
			20					25					30		
Ala	Gly	Cys													
		35													

<210> 211

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> CAD61944 A domain

<400> 211

Cys	Pro	Pro	Gly	His	Phe	Pro	Cys	Gly	Ala	Ala	Gly	Thr	Ser	Gly	Ala
1				5				10					15		
Thr	Ala	Cys	Tyr	Leu	Pro	Ala	Asp	Arg	Cys	Asn	Tyr	Gln	Thr	Phe	Cys
			20					25					30		
Ala	Asp	Gly	Ala	Asp	Glu	Arg	Arg	Cys							
		35					40								

```

<210> 212
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> CAD61944 A domain

<400> 212
Cys Gln Pro Gly Asn Phe Arg Cys Arg Asp Glu Lys Cys Val Tyr Glu
1      5      10      15
Thr Trp Val Cys Asp Gly Gln Pro Asp Cys Ala Asp Gly Ser Asp Glu
20      25      30
Trp Asp Cys
35

<210> 213
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000181006 A domain

<400> 213
Cys Pro Glu Ile Thr Asp Phe Leu Cys Arg Asp Lys Lys Cys Ile Ala
1      5      10      15
Ser His Leu Leu Cys Asp Tyr Lys Pro Asp Cys Ser Asp Arg Ser Asp
20      25      30
Glu Ala His Cys
35

<210> 214
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000320248 A domain

<400> 214
Cys Asn Asn Arg Thr Phe Lys Cys Gly Asn Asp Ile Cys Phe Arg Lys
1      5      10      15
Gln Asn Ala Lys Cys Asp Gly Thr Val Asp Cys Pro Asp Gly Ser Asp
20      25      30
Glu Glu Gly Cys
35

<210> 215
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000277547 A domain

<400> 215
Cys Pro Pro Gly His His His Cys Gln Asn Lys Val Cys Val Glu Pro
1      5      10      15

```


Gln Gln Leu Cys Asp Gly Glu Asp Asn Cys Gly Asp Leu Ser Asp Glu
 20 25 30
 Asn Pro Leu Thr Cys
 35

<210> 216
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSG00000320022 A domain

<400> 216
 Cys Lys Gln Gly His Leu Ala Cys Gly Asp Leu Cys Val Pro Pro Glu
 1 5 10 15
 Gln Leu Cys Asp Phe Glu Glu Gln Cys Ala Gly Gly Glu Asp Glu Gln
 20 25 30
 Ala Cys

<210> 217
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ENSG00000313222 A domain

<400> 217
 Cys Pro Gly Asn Ser Phe Ser Cys Gly Asn Ser Gln Cys Val Thr Lys
 1 5 10 15
 Val Asn Pro Glu Cys Asp Asp Gln Glu Asp Cys Ser Asp Gly Ser Asp
 20 25 30
 Glu Ala His Cys
 35

<210> 218
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> beta-Propeller domain repeated sequence

<400> 218
 Tyr Trp Thr Asp
 1

<210> 219
 <211> 64
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> LDL receptor class A domain monomer sequence

<221> MOD_RES
 <222> (2)...(16)
 <223> Xaa = any amino acid, Xaa at positions 5-16 may be present or absent

```

<221> MOD_RES
<222> (18)...(32)
<223> Xaa = any amino acid, Xaa at positions 21-32 may
      be present or absent

<221> MOD_RES
<222> (34)...(40)
<223> Xaa = any amino acid, Xaa at position 40 may be
      present or absent

<221> MOD_RES
<222> (43)...(46)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (48)...(53)
<223> Xaa = any amino acid, Xaa at positions 52-53 may
      be present or absent

<221> MOD_RES
<222> (56)...(63)
<223> Xaa = any amino acid, Xaa at positions 58-63 may
      be present or absent

<221> DISULFID
<222> (1)...(33)

<221> DISULFID
<222> (17)...(47)

<221> DISULFID
<222> (41)...(64)

<400> 219
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1      5      10     15
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20     25     30
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa
 35     40     45
Xaa Xaa Xaa Xaa Xaa Asp Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 50     55     60

<210> 220
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Met, Asn,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

```

```

<400> 220
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp Glu
20      25      30
Xaa Xaa Cys
35

```

```

<210> 221
<211> 36
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> LDL receptor class A domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
      Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
      Arg, Ser or Thr

```

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

```

```

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 221
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Asx Xaa Asp Glu
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 222
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

```



```

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Asn or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

<400> 222
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1          5          10          15

```

Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp Glu
 20 25 30
 Xaa Xaa Xaa Xaa Cys
 35

<210> 223
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> LDL receptor class A domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser or Thr

```

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 223
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
      20      25      30
Glu Xaa Xaa Cys
      35

<210> 224
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
      Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 224
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa Asp
 20      25      30
Glu Xaa Xaa Xaa Cys
    35

```

<210> 225
 <211> 37
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> LDL receptor class A domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Arg, Ser or Thr

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
 Arg, Ser or Thr

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
 Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or
 Arg

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Phe, His, Leu, Val or Trp

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser,
 Thr or Val

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
 Thr, Val or Tyr

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
 Arg, Ser or Thr

 <221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Asn or Ser

```



```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

<400> 225
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20          25          30
Glu Xaa Xaa Xaa Cys
 35

<210> 226
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

```

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 226
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Asp
 20 25 30
 Glu Xaa Xaa Cys
 35

<210> 227
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> LDL receptor class A domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
 Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
 Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

```

```

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 227
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa Asp
 20          25          30
Glu Xaa Xaa Xaa Cys
 35

<210> 228
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

```

```

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Asn or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

```



```

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

<400> 228
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20          25          30
Glu Xaa Xaa Xaa Xaa Cys
 35

<210> 229
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or
      Arg

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser,
      Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 229
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 20          25          30
Asp Glu Xaa Xaa Cys
 35

```

<210> 230
 <211> 38
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> LDL receptor class A domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Arg, Ser or Thr

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro, Arg, Ser or Thr

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Phe, His, Leu, Val or Trp

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

```

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 230
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa
 20          25          30
Asp Glu Xaa Xaa Xaa Cys
 35

<210> 231
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or
      Arg

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser,
      Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

```

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Asn or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

```


<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
 <222> (37)...(37)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (38)...(38)
 <223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro, Gln, Arg, Thr, Val or Tyr

<400> 231
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 20 25 30
 Asp Glu Xaa Xaa Xaa Xaa Cys
 35

<210> 232
 <211> 68
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(15)
 <223> Xaa = any amino acid, Xaa at positions 5-15 may be present or absent

<221> MOD_RES
 <222> (17)...(23)
 <223> Xaa = any amino acid, Xaa at positions 20-23 may be present or absent

<221> MOD_RES
 <222> (25)...(40)
 <223> Xaa = any amino acid, Xaa at positions 29-40 may be present or absent

<221> MOD_RES
 <222> (42)...(43)
 <223> Xaa = any amino acid, Xaa at position 43 may be present or absent

<221> MOD_RES
 <222> (45)...(67)
 <223> Xaa = any amino acid, Xaa at positions 53-67 may be present or absent

<221> DISULFID
 <222> (1)...(24)

<221> DISULFID
 <222> (16)...(44)

<221> DISULFID
 <222> (41)...(68)

<400> 232
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa
 35 40 45
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50 55 60
 Xaa Xaa Xaa Cys
 65

<210> 233
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 233
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20          25          30

<210> 234
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
 Val or Tyr

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 234
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20           25           30

```

<210> 235
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```



```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 235
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1              5              10              15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20              25              30

<210> 236
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

```

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 236
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Cys

```

<210> 237
 <211> 34
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> EGF domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 237
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 238
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

```

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 238
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20          25          30

```


<210> 239
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 239
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1             5             10             15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20             25             30

<210> 240
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 240
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20           25           30
Cys

```

<210> 241
 <211> 34
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> EGF domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

 <221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 241
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10         15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20         25         30
Xaa Cys

<210> 242
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

```


<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 242
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 243
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
 Val or Tyr

```

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 243
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20          25          30

<210> 244
<211> 33
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 244
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Cys

<210> 245
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```


<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 245
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Cys

<210> 246
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 246
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1      5      10     15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20     25     30
Xaa Xaa Cys
 35

<210> 247
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 247
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Cys
 35

<210> 248
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr


```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 248
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20           25           30

```

<210> 249
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 249
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20 25 30

<210> 250
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 250
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

```

<210> 251
 <211> 34
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> EGF domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

 <221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val


```

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 251
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10         15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20         25         30
Xaa Cys

<210> 252
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

```

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

```

```

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 252
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 253
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

```

```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 253
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 254
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr


```

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 254
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20           25           30
Cys

<210> 255
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

```

```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 255
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Cys

<210> 256
<211> 35
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 256
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 257
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```



```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 257
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 258
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 258
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20      25      30

<210> 259
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 259
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20 25 30

<210> 260
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

```

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

```



```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 260
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 261
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

```

```

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 261
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20           25           30
Xaa Cys

<210> 262
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

```

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 262
Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Cys
 35

<210> 263
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

```



```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 263
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20          25          30

<210> 264
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

```

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 264
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Cys

<210> 265
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 265
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Cys

<210> 266
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```


<400> 266
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 267
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 267
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 268
<211> 33
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

```

```

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 268
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 269
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

```


<400> 269
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Cys

<210> 270
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Gly or Thr

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 270
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Cys
 35

<210> 271
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 271
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 272
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

```

```

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```



```

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 272
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Cys
 35

<210> 273
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

```

<400> 273
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 . 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Cys

<210> 274
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 274
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 275
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

```

```

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```


<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 275
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 276
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

```

```

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

```

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 276
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Cys
 35

<210> 277
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<400> 277
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Xaa Xaa Cys
 35

```

```

<210> 278
<211> 34
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr


```

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 278
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 279
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

```

```

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

```

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 279
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 280
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```


<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr


```

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

```

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 281
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Cys
 35

<210> 282
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
 Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
 Val or Tyr

```

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

```

```

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 282
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Xaa Xaa Xaa Cys
 35

<210> 283
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

```

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 283
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1   5   10  15
Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20  25  30

<210> 284
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr


```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 284
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Cys

<210> 285
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 285
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10         15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 286
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 286
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 287
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

```


<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 287
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 288
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

```

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 288
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 289
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 289
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Cys

<210> 290
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr


```

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 290
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1          5          10          15

```

Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 291
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
 Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
 Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 291
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Xaa Cys
 35

<210> 292
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 292
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Xaa Cys
35

<210> 293
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
 Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
 Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Asp, Gly or Ser

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 293
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20 25 30

<210> 294
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 294
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Cys

<210> 295
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 295
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Cys

<210> 296
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val


```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 296
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Cys
 35

<210> 297
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 297
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 298
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

```

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
 Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
 Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Asp, Gly or Ser

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Tyr

```

      <400> 298
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20      25      30
Cys

```

```

<210> 299
<211> 34
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val


```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 299
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Cys

<210> 300
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
 Ser, Thr or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 300
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 301
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<400> 301
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Cys
35

```

```

<210> 302
<211> 37
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val


```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 302
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1              5              10              15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20              25              30
Xaa Xaa Xaa Xaa Cys
 35

<210> 303
<211> 33
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
 Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
 Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 303
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20          25          30
Cys

<210> 304
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 304
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Cys

<210> 305
<211> 35
<212> PRT
<213> Artificial Sequence

```

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr


```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 305
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Cys
 35

<210> 306
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

```

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 306
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Cys
 35

<210> 307
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 307
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Cys
 35

<210> 308
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Gly or Thr

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```



```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 308
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
      20      25      30
Xaa Cys

<210> 309
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 309
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1             5             10             15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20             25             30
Xaa Xaa Cys
 35

<210> 310
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

```

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 310
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Xaa Cys
 35

<210> 311
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Gly or Thr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<400> 311
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Xaa Cys
35

```

```

<210> 312
<211> 38
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

```

```

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 312
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Xaa Xaa Xaa Cys
35

```

<210> 313
 <211> 34
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> EGF domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
 Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

 <221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
 Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Asp, Gly or Ser

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 313
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Cys

<210> 314
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr


```

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 314
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 315
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 315
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Xaa Cys
35

<210> 316
<211> 37
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

```

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

```

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 316
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Xaa Xaa Cys
 35

<210> 317
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (14)...(14)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
 Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (26)...(26)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 317
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Xaa Cys
 35

<210> 318
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
 Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
 Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
 Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
 Arg, Ser or Thr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
 Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
 Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
 Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
 Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Asp, Gly or Ser

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 318
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 319
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

```

<400> 319
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Cys
35

```

```

<210> 320
<211> 37
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```


<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

```

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 320
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
1          5          10          15

```

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Cys
 35

<210> 321
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> EGF domain monomer sequence

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

<221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
 Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
 <222> (37)...(37)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 321
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Cys
 35

<210> 322
 <211> 39
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> EGF domain monomer sequence

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Tyr

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
 Trp

 <221> MOD_RES
 <222> (5)...(5)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (11)...(11)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
 Asn, Gln, Arg, Ser, Thr or Tyr

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD_RES
 <222> (22)...(22)
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (25)...(25)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
 <222> (28)...(28)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

 <221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

 <221> MOD_RES
 <222> (30)...(30)
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

 <221> MOD_RES
 <222> (31)...(31)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (32)...(32)
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

 <221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

 <221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (35)...(35)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

 <221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

 <221> MOD_RES
 <222> (37)...(37)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

 <221> MOD_RES
 <222> (38)...(38)
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 322
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Xaa Cys
 35


```

<210> 323
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> affinity peptide

<400> 323
Ser Lys Val Ile Leu Phe
1             5

<210> 324
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL-receptor A domain consensus

<221> MOD_RES
<222> (1)...(35)
<223> Xaa = any amino acid

<221> DISULFID
<222> (1)...(13)

<221> DISULFID
<222> (8)...(26)

<221> DISULFID
<222> (20)...(35)

<400> 324
Cys Xaa Xaa Xaa Xaa Phe Xaa Cys Xaa Xaa Gly Xaa Cys Ile Xaa Xaa
1             5             10             15
Xaa Xaa Xaa Cys Asp Gly Xaa Xaa Asp Cys Xaa Asp Xaa Ser Asp Glu
20             25             30
Xaa Xaa Cys
35

<210> 325
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> conserved amino acids in an A-domain

<221> MOD_RES
<222> (2)...(5)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = any amino acid

```

```

<221> MOD_RES
<222> (9)...(12)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (15)...(17)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (22)...(24)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (27)...(30)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (31)...(32)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (33)...(34)
<223> Xaa = any amino acid

<221> DISULFID
<222> (1)...(13)

<221> DISULFID
<222> (8)...(26)

<221> DISULFID
<222> (20)...(35)

```

```

<400> 325
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1             5             10            15
Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20             25            30
Xaa Xaa Cys
35

```

<210> 326
 <211> 41
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A domain

 <221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Val, Leu, Gly, Pro, Ala, Glu, Gln or Arg

 <221> MOD_RES
 <222> (3)...(3)
 <223> Xaa = Ala, Pro or Ser

 <221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Asp, Asn, Gly or Ser

 <221> MOD_RES
 <222> (7)...(7)
 <223> Xaa = Thr, Pro, Arg, Lys or Gln

 <221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Gly, Ser, Asp, Glu, Asn, Lys or Arg

 <221> MOD_RES
 <222> (10)...(10)
 <223> Xaa = Asn or Ser

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = His, Gln or Arg

 <221> MOD_RES
 <222> (15)...(15)
 <223> Xaa = Pro or Ser

 <221> MOD_RES
 <222> (16)...(16)
 <223> Xaa = Val, Leu, Gly, Pro, Ala, Glu, Gln or Arg

 <221> MOD_RES
 <222> (17)...(17)
 <223> Xaa = Ala, Ser, Glu, Asn, His or Arg

 <221> MOD_RES
 <222> (18)...(18)
 <223> Xaa = Leu or Trp

 <221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Leu, Val, Gly or Arg

 <221> MOD_RES
 <222> (23)...(23)
 <223> Xaa = Val, Asp or Glu

<221> MOD_RES
 <222> (24)...(24)
 <223> Xaa = Pro, Asn or Asp

<221> MOD_RES
 <222> (27)...(27)
 <223> Xaa = Ala, Pro, Gly, Glu, Gln or Arg

<221> MOD_RES
 <222> (29)...(29)
 <223> Xaa = Asn or Gly

<221> MOD_RES
 <222> (33)...(33)
 <223> Xaa = Leu, Val, Met, Glu, Gln or Lys

<221> MOD_RES
 <222> (34)...(34)
 <223> Xaa = Gly, Ser, Asn or Asp

<221> MOD_RES
 <222> (36)...(36)
 <223> Xaa = Ala, Pro, Thr, Gln, Glu or Lys

<221> MOD_RES
 <222> (37)...(38)
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
 <222> (39)...(39)
 <223> Xaa = Ser, Gly or Arg

<221> MOD_RES
 <222> (40)...(40)
 <223> Xaa = His, Pro or Arg

<400> 326
 Cys Xaa Xaa Xaa Glx Phe Xaa Cys Xaa Xaa Gly Xaa Cys Ile Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Cys Asp Gly Xaa Xaa Asp Cys Xaa Asp Xaa Ser Asp Glu
 20 25 30
 Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Thr
 35 40

<210> 327
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A domain

<221> MOD_RES
 <222> (1)...(35)
 <223> Xaa = any amino acid

<400> 327
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Cys
 35

<210> 328
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> DA4/1 selected clone 1

<400> 328
 Cys Arg Ala Asp Gln Phe Lys Cys Glu Asn Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Arg Leu Arg Cys Asp Gly Asp Pro Asp Cys Pro Asp Asn Ser Asp Glu
 20 25 30
 Leu Asn Cys
 35

<210> 329
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> DH3/2 selected clone 2

<400> 329
 Cys Leu Ala Asp Gln Phe Thr Cys Lys Asn Gly His Cys Ile Pro Arg
 1 5 10 15
 Ala Trp Leu Cys Asp Gly Val Gly Asp Cys Pro Asp Asp Ser Asp Glu
 20 25 30
 Val Gly Cys
 35

<210> 330
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A domain typical consensus sequence
 representing portion beginning at third Cys

<221> MOD_RES
 <222> (2)...(2)
 <223> Xaa = Val, Ile, Leu, Met or Ala

<221> MOD_RES
 <222> (3)...(7)
 <223> Xaa = any amino acid

<221> MOD_RES
 <222> (9)...(9)
 <223> Xaa = Asp, Asn or His

<221> MOD_RES
 <222> (10)...(12)
 <223> Xaa = any amino acid

<221> MOD_RES
 <222> (13)...(13)
 <223> Xaa = Asp, Glu, Asn, Gln, His or Thr

<221> MOD_RES
 <222> (15)...(18)
 <223> Xaa = any amino acid, Xaa at position 18 may be present or absent

<221> MOD_RES
 <222> (19)...(19)
 <223> Xaa = Ser, Thr, Ala, Asp or Glu

<221> MOD_RES
 <222> (20)...(20)
 <223> Xaa = Asp, Glu or His

<221> MOD_RES
 <222> (21)...(21)
 <223> Xaa = Asp or Glu

<221> MOD_RES
 <222> (22)...(26)
 <223> Xaa = any amino acid, Xaa at positions 23-26 may be present or absent

<400> 330
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20 25

<210> 331
 <211> 64
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A domain second consensus sequence spanning all six Cys residues

<221> MOD_RES
 <222> (2)...(16)
 <223> Xaa = any amino acid, Xaa at positions 4-16 may be present or absent

<221> MOD_RES
 <222> (18)...(32)
 <223> Xaa = any amino acid, Xaa at positions 22-32 may be present or absent

<221> MOD_RES
 <222> (34)...(40)
 <223> Xaa = any amino acid, Xaa at position 40 may be present or absent

<221> MOD_RES
 <222> (43)...(45)
 <223> Xaa = any amino acid, Xaa at position 18 may be present or absent

<221> MOD_RES
 <222> (46)...(46)
 <223> Xaa = Asp, Glu, Asn, Gln, His, Ser or Thr

<221> MOD_RES
 <222> (48)...(53)
 <223> Xaa = any amino acid, Xaa at positions 52 and 53 may be present or absent

<221> MOD_RES
 <222> (56)...(63)
 <223> Xaa = any amino acid, Xaa at positions 58-63 may be present or absent

<400> 331
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10 15
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa
 35 40 45
 Xaa Xaa Xaa Xaa Xaa Asp Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 50 55 60

<210> 332
 <211> 123
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> exemplary C2 domain

<400> 332
 Tyr Ser His Lys Phe Thr Val Val Val Leu Arg Ala Thr Lys Val Thr
 1 5 10 15
 Lys Gly Ala Phe Gly Asp Met Leu Asp Thr Pro Asp Pro Tyr Val Glu
 20 25 30
 Leu Phe Ile Ser Thr Thr Pro Asp Ser Arg Lys Arg Thr Arg His Phe
 35 40 45
 Asn Asn Asp Ile Asn Pro Val Trp Asn Glu Thr Phe Glu Phe Ile Leu
 50 55 60
 Asp Pro Asn Gln Glu Asn Val Leu Glu Ile Thr Leu Met Asp Ala Asn
 65 70 75 80
 Tyr Val Met Asp Glu Thr Leu Gly Thr Ala Thr Phe Thr Val Ser Ser
 85 90 95
 Met Lys Val Gly Glu Lys Lys Glu Val Pro Phe Ile Phe Asn Gln Val
 100 105 110
 Thr Glu Met Val Leu Glu Met Ser Leu Glu Val
 115 120

<210> 333
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptide linker repeat

<400> 333
 Gly Gly Gly Gly Ser
 1 5

<210> 334
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> 15mer peptide linker

 <400> 334
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 1 5 10 15

 <210> 335
 <211> 5
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> simple linker repeated an unspecified number of
 times

 <400> 335
 Gly Gly Gly Gly Ser
 1 5

 <210> 336
 <211> 25
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> flexible peptide linker, 1-25 Gly residues

 <221> MOD_RES
 <222> (2)...(25)
 <223> Gly at positions 2-25 may be present or absent

 <400> 336
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 1 5 10 15
 Gly Gly Gly Gly Gly Gly Gly Gly Gly
 20 25

 <210> 337
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> flexible peptide linker, 5-20 Gly residues

 <221> MOD_RES
 <222> (6)...(20)
 <223> Gly at positions 6-20 may be present or absent

 <400> 337
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 1 5 10 15
 Gly Gly Gly Gly
 20

<210> 338
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> flexible peptide linker, 5-15 Gly residues

 <221> MOD_RES
 <222> (6)...(15)
 <223> Gly at positions 6-15 may be present or absent

 <400> 338
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 1 5 10 15

 <210> 339
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> flexible peptide linker, 8-12 Gly residues

 <221> MOD_RES
 <222> (9)...(12)
 <223> Gly at positions 9-12 may be present or absent

 <400> 339
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 1 5 10

 <210> 340
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> specific peptide linker

 <221> MOD_RES
 <222> (2)...(5)
 <223> Gly at positions 2-5 may be present or absent

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,
 His, Asp or Glu

 <221> MOD_RES
 <222> (8)...(11)
 <223> Gly at positions 8-11 may be present or absent

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,
 His, Asp or Glu

<221> MOD_RES
 <222> (14)...(17)
 <223> Gly at positions 8-11 may be present or absent

 <400> 340
 Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly
 1 5 10 15
 Gly

 <210> 341
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> specific peptide linker

 <221> MOD_RES
 <222> (2)...(5)
 <223> Gly at positions 2-5 may be present or absent

 <221> MOD_RES
 <222> (6)...(6)
 <223> Xaa = Ser, Ala or Thr

 <221> MOD_RES
 <222> (8)...(11)
 <223> Gly at positions 8-11 may be present or absent

 <221> MOD_RES
 <222> (12)...(12)
 <223> Xaa = Ser, Ala or Thr

 <221> MOD_RES
 <222> (14)...(17)
 <223> Gly at positions 8-11 may be present or absent

 <400> 341
 Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly
 1 5 10 15
 Gly

 <210> 342
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> specific peptide linker

 <221> MOD_RES
 <222> (2)...(5)
 <223> Gly at positions 2-5 may be present or absent

 <221> MOD_RES
 <222> (8)...(11)
 <223> Gly at positions 8-11 may be present or absent

 <221> MOD_RES
 <222> (14)...(17)
 <223> Gly at positions 8-11 may be present or absent

<400> 342
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
 1 5 10 15
 Gly

<210> 343
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptide linker

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,
 His, Asp or Glu

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,
 His, Asp or Glu

<400> 343
 Gly Gly Gly Xaa Gly Gly Gly Xaa Gly Gly Gly
 1 5 10

<210> 344
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptide linker

<221> MOD_RES
 <222> (4)...(4)
 <223> Xaa = Ser, Ala or Thr

<221> MOD_RES
 <222> (8)...(8)
 <223> Xaa = Ser, Ala or Thr

<400> 344
 Gly Gly Gly Xaa Gly Gly Gly Xaa Gly Gly Gly
 1 5 10

<210> 345
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptide linker

<400> 345
 Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly
 1 5 10

<210> 346
 <211> 25
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> specific peptide linker

 <221> MOD_RES
 <222> (2)...(12)
 <223> Gly at positions 2-12 may be present or absent

 <221> MOD_RES
 <222> (15)...(25)
 <223> Gly at positions 15-25 may be present or absent

 <400> 346
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Cys Gly Gly Gly
 1 5 10 15
 Gly Gly Gly Gly Gly Gly Gly Gly
 20 25

 <210> 347
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> peptide linker

 <400> 347
 Gly Gly Gly Gly Gly Cys Gly Gly Gly Gly Gly
 1 5 10

 <210> 348
 <211> 25
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> specific proline-containing peptide linker

 <221> MOD_RES
 <222> (2)...(12)
 <223> Pro at positions 2-12 may be present or absent

 <221> MOD_RES
 <222> (15)...(25)
 <223> Pro at positions 15-25 may be present or absent

 <400> 348
 Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Cys Pro Pro Pro
 1 5 10 15
 Pro Pro Pro Pro Pro Pro Pro Pro
 20 25

 <210> 349
 <211> 11
 <212> PRT
 <213> Artificial Sequence

```

<220>
<223> peptide linker

<400> 349
Pro Pro Pro Pro Pro Cys Pro Pro Pro Pro Pro
1          5          10

<210> 350
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide linker comprising N-glycosylation site

<221> MOD_RES
<222> (2)...(8)
<223> Gly at positions 2-12 may be present or absent

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = any amino acid except Pro

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ser or Thr

<221> MOD_RES
<222> (13)...(19)
<223> Gly at positions 2-12 may be present or absent

<400> 350
Gly Gly Gly Gly Gly Gly Gly Gly Asn Xaa Xaa Gly Gly Gly Gly Gly
1          5          10          15
Gly Gly Gly

<210> 351
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> peptide linker comprising N-glycosylation site

<221> MOD_RES
<222> (2)...(8)
<223> Gly at positions 2-12 may be present or absent

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = any amino acid except Pro

<221> MOD_RES
<222> (13)...(19)
<223> Gly at positions 2-12 may be present or absent

<400> 351
Gly Gly Gly Gly Gly Gly Gly Gly Asn Xaa Thr Gly Gly Gly Gly Gly
1          5          10          15
Gly Gly Gly

```

```

<210> 352
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> A domain linker 6mer

<221> MOD_RES
<222> (1)...(1)
<223> Xaa = Ala, Pro, Thr, Gln, Glu or Lys

<221> MOD_RES
<222> (2)...(3)
<223> Xaa = any amino acid except Cys, Phe, Tyr, Trp or
      Met

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ser, Gly or Arg

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = His, Pro or Arg

<400> 352
Xaa Xaa Xaa Xaa Xaa Thr
 1             5

<210> 353
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> IG156 momomer domain

<400> 353
Cys Leu Ser Ser Glu Phe Gln Cys Gln Ser Ser Gly Arg Cys Ile Pro
 1             5             10             15
Leu Ala Trp Val Cys Asp Gly Asp Asn Asp Cys Arg Asp Asp Ser Asp
      20             25             30
Glu Lys Ser Cys Lys Pro Arg Thr
      35             40

<210> 354
<211> 51
<212> PRT
<213> Artificial Sequence

<220>
<223> RBCA monomer domain

<400> 354
Cys Arg Ser Ser Gln Phe Gln Cys Asn Asp Ser Arg Ile Cys Ile Pro
 1             5             10             15
Gly Arg Trp Arg Cys Asp Gly Asp Asn Asp Cys Gln Asp Gly Ser Asp
      20             25             30

```

Glu Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly
 35 40 45
 Pro Ser Thr
 50

<210> 355
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> RBCB monomer domain

<400> 355
 Cys Pro Ala Gly Glu Phe Pro Cys Lys Asn Gly Gln Cys Leu Pro Val
 1 5 10 15
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Lys Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
 35 40 45

<210> 356
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> RBC11 monomer domain

<400> 356
 Cys Pro Pro Asp Glu Phe Pro Cys Lys Asn Gly Gln Cys Ile Pro Gln
 1 5 10 15
 Asp Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Lys Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
 35 40 45

<210> 357
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CSA-A8 monomer domain

<400> 357
 Cys Gly Ala Gly Gln Phe Pro Cys Lys Asn Gly His Cys Leu Pro Leu
 1 5 10 15
 Asn Leu Leu Cys Asp Gly Val Asn Asp Cys Glu Asp Asn Ser Asp Glu
 20 25 30
 Pro Ser Glu Leu Cys Lys Ala Leu Thr
 35 40

<210> 358
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 6xHis

```

    <400> 358
His His His His His His
1           5

    <210> 359
    <211> 50
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <400> 359
acactgcaat cgcgctttac ggctcccggg cggatcctcc cataagttca
                                                    50

    <210> 360
    <211> 72
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <220>
    <221> modified_base
    <222> (1)...(72)
    <223> n = g, a, c or t

    <400> 360
agctaccaaa gtgacannkn nknnknnknn knnknnknnk nnknnknnkn nkccatacgt
cgaattgttc at
                                                    60
                                                    72

    <210> 361
    <211> 72
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <400> 361
agctaccaaa gtgacaaaag gtgcttttgg tgatatgttg gatactccag atccatacgt
cgaattgttc at
                                                    60
                                                    72

    <210> 362
    <211> 62
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <220>
    <221> modified_base
    <222> (1)...(62)
    <223> n = g, a, c or t

    <400> 362
taggaagaga acacgtcatt ttnnknnknn kattaaccct gtttggaaacg agacctttga
gt
                                                    60
                                                    62

```


<210> 363
 <211> 62
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 363
 taggaagaga acacgtcatt ttaataatga tattaaccct gtttggaacg agacctttga 60
 gt 62

 <210> 364
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(58)
 <223> n = g, a, c or t

 <400> 364
 ttggaaatca ccctaagtnn knknknknkn nnknknknkn nkactctagg tacagcaa 58

 <210> 365
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 365
 ttggaaatca ccctaagga tgcaaattat gttatggacg aaactctagg tacagcaa 58

 <210> 366
 <211> 60
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 366
 aagaaggaag tcccatttat ttccaatcaa gttactgaaa tggctcttaga gatgtccctt 60

 <210> 367
 <211> 48
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 367
 tgtcactttg gtagctctta acacaactac agtgaactta tgggagga 48

<210> 368
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 368
 acgtgttctc ttcctagaat ctggagttgt actgatgaac aattcgacgt a 51

 <210> 369
 <211> 62
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 369
 attaggggtga tttccaaaac attttcttga ttaggatcta atataaactc aaaggtctcg 60
 tt 62

 <210> 370
 <211> 64
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 370
 atggggacttc cttcttttct ccacttttca ttgaagatac agtaaactgt gctgtaccta 60
 gagt 64

 <210> 371
 <211> 67
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 371
 gaccgatagc ttgccgattg cagtgtggcc acagaggcct cgagaacttc aagggacatc 60
 tctaaga 67

 <210> 372
 <211> 56
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> amplification PCR oligonucleotide

 <400> 372
 acactgcaat cgcgcccttac ggctcaggtg ctggtgggtc ccataagttc actgta 56

```

<210> 373
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR oligonucleotide

<400> 373
accgatagct tgccgattgc agtcagcacc tgaaccacca ccaccagaac caccaccacc 60
aacttcaagg gacatctcta 80

<210> 374
<211> 227
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop1

<400> 374
gaattcaacg ctactaccat tagtagaatt gatgccacct tttcagctcg cgccccaat 60
gaaaaaatgg tcaaaactaaa tctactcggt cgcagaattg ggaatcaact gttacatgga 120
atgaaacttc cagacaccgt actttatgaa tatttatgac gattccgagg cgcgcccgga 180
ctacccgat gatgttccgg attatgcccc gggatcctca ggtgctg 227

<210> 375
<211> 173
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop2

<400> 375
caggtgctgc actcgaggcc actgcggccg catattaacg tagatttttc ctcccaacgt 60
cctgactggt ataatgagcc agttcttaaa atcgcataac cagtacatgg tgattaaagt 120
tgaaattaaa ccgtctcaag agctttgtta cgttgatttg ggtaatgaag ctt 173

<210> 376
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR primer

<400> 376
aattcaacgc tactaccat 19

<210> 377
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR primer

<400> 377
agcttcatta ccctaatcaa c 21

```

<210> 378
 <211> 81
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 378
 cactatgcat ggactcagtg tgtccgataa gggcacacgg tgcctacccg tatgatgttc 60
 cggattatgc cccgggcagt a 81

 <210> 379
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(84)
 <223> n = g, a, c or t

 <400> 379
 cgccgtcgca tmscmagykc nsagraatac awyggccgyt wygcacbk aattsgyyag 60
 vcnsacaggt actgcccggg gcat 84

 <210> 380
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(84)
 <223> n = g, a, c or t

 <400> 380
 cgccgtcgca tmscmatkcc nsagraatac awyggccgyt wygcacbk aattsgyyag 60
 vcnsacaggt actgcccggg gcat 84

 <210> 381
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(79)
 <223> n = g, a, c or t

<400> 381
 atgcgacggc gwwratgatt gtsvagatgg tagcgatgaa vwgrttgtv mavnmvnmvg 60
 ccvtacgggc tcggcctct 79

 <210> 382
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(79)
 <223> n = g, a, c or t

 <400> 382
 atgcgacggc gwwccggatt gtsvagatgg tagcgatgaa vwgrttgtv mavnmvnmvg 60
 ccvtacgggc tcggcctct 79

 <210> 383
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(79)
 <223> n = g, a, c or t

 <400> 383
 atgcgacggc gwwratgatt gtsvagataa cagcgatgaa vwgrttgtv mavnmvnmvg 60
 ccvtacgggc tcggcctct 79

 <210> 384
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(79)
 <223> n = g, a, c or t

 <400> 384
 atgcgacggc gwwccggatt gtsvagataa cagcgatgaa vwgrttgtv mavnmvnmvg 60
 ccvtacgggc tcggcctct 79

 <210> 385
 <211> 81
 <212> DNA
 <213> Artificial Sequence

```

<220>
<223> assembly PCR oligonucleotide

<400> 385
tcttggtagt acttatctac tactatttgt ctgtgtctgc tctgggttcc taacggttcg      60
gccacagagg ccgagcccgt a                                              81

<210> 386
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR oligonucleotide

<400> 386
aagcctcagc gaccgaa                                              17

<210> 387
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR oligonucleotide

<400> 387
agcccaatag gaacccat                                              18

<210> 388
<211> 228
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop1

<400> 388
gaattcaacg ctactaccat tagtagaatt gatgccacct tttcagctcg cgccccaaat      60
gaaaaaatgg tcaaaactaaa tctactcggt cgcagaattg ggaatcaact gttacatgga      120
atgaaacttc cagacaccgt actttatgaa tatttatgac gattccgagg cgcgcccgga      180
ctaccctgat gatgttcagg attatgcccc gggcggtatcc agtacctg                228

<210> 389
<211> 176
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop2

<400> 389
gccctacggg cctcgaggca cctggtgcgg ccgcatatta acgtagattt ttcctcccaa      60
cgtcctgact ggtataatga gccagttctt aaaatcgcat aaccagtaca tggtgattaa      120
agttgaaatt aaaccgtctc aagagctttg ttacgttgat ttgggtaatg aagctt        176

<210> 390
<211> 21
<212> DNA
<213> Artificial Sequence

```

<220>
 <223> amplification PCR primer

 <400> 390
 agcttcatta cccaaatcaa c 21

 <210> 391
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> amplification PCR primer

 <400> 391
 aattcaacgc tactaccat 19

 <210> 392
 <211> 42
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> CD20 binding sequence 2

 <400> 392
 Cys Leu Pro Asp Glu Phe Gln Cys Arg Ser Thr Gly Ile Cys Ile Pro
 1 5 10 15
 Leu Ala Trp Arg Cys Asp Gly Val Asn Asp Cys Gln Asp Asp Ser Asp
 20 25 30
 Glu Thr Asn Cys Arg Ala Thr Gly Arg Thr
 35 40

 <210> 393
 <211> 53
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> CD20 binding sequence 3

 <400> 393
 Cys Leu Pro Gly Glu Phe Arg Cys Arg Gly Thr Ser Ile Cys Ile Pro
 1 5 10 15
 Pro Ser Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Ala Leu Glu His Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr
 35 40 45
 Pro Gly Pro Ser Thr
 50

 <210> 394
 <211> 51
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> CD20 binding sequence 4

<400> 394
 Cys Gln Pro Asn Glu Phe Pro Cys Gly Ser Thr Gly Leu Cys Val Pro
 1 5 10 15
 Arg Glu Trp Leu Cys Asp Gly Val Asp Asp Cys Gln Asp Gly Ser Asp
 20 25 30
 Glu Pro Asp Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly
 35 40 45
 Pro Ser Thr
 50

<210> 395
 <211> 53
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 5

<400> 395
 Cys Leu Pro Gly Glu Phe Arg Cys Arg Gly Thr Ser Ile Cys Ile Pro
 1 5 10 15
 Pro Ser Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Ala Leu Glu His Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr
 35 40 45
 Pro Gly Pro Ser Thr
 50

<210> 396
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 6

<400> 396
 Cys Arg Ser Gly Glu Phe Lys Cys His Gly Thr Arg Pro Cys Val Pro
 1 5 10 15
 Gln Arg Trp Val Cys Asp Gly Asp Asp Asp Cys Val Asp Gly Ser Asp
 20 25 30
 Glu Lys Ser Cys Glu Thr Pro Ala Arg Arg
 35 40

<210> 397
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 7

<400> 397
 Cys Arg Ser Ser Gln Phe Lys Cys His Asn Thr Arg Pro Cys Ile Pro
 1 5 10 15
 Gly Arg Trp Val Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp
 20 25 30
 Glu Ala Asn Cys Arg Arg Ala Ala Arg Arg
 35 40

<210> 398
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 8

<400> 398
 Cys Leu Pro Glu Arg Phe Gln Cys Ala Val Pro Gly Tyr Cys Ile Pro
 1 5 10 15
 Leu Pro Gly Val Cys Asp Gly Val Asn Asp Cys Gln Glu Asp Ser Asp
 20 25 30
 Glu Pro Asn Cys Arg Ala Pro Gly Leu Arg
 35 40

<210> 399
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 9

<400> 399
 Cys Arg Arg Asn Glu Phe Arg Cys Lys Ser Gly His Cys Val Pro Gln
 1 5 10 15
 Pro Leu Val Cys Asp Gly Val Arg Asp Cys Glu Asp Asn Ser Asp Glu
 20 25 30
 Pro Ser Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
 35 40 45

<210> 400
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 10

<400> 400
 Cys Arg Ala Gly Glu Phe Pro Cys Lys Asn Gly Gln Cys Leu Pro Val
 1 5 10 15
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu
 20 25 30
 Lys Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
 35 40 45

<210> 401
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 11

<400> 401
 Cys Pro Ser Asn Glu Phe Thr Cys Lys Ser Gly His Cys Val Pro Gln
 1 5 10 15
 Pro Phe Val Cys Asp Gly Val Pro Asp Cys Glu Asp Asn Ser Asp Glu
 20 25 30

Thr Ser Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
 35 40 45

<210> 402
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 14

<400> 402
 Cys Arg Ala Ser Glu Phe Pro Cys Arg Gly Thr Gly Thr Cys Ile Pro
 1 5 10 15
 Arg His Trp Leu Cys Asp Gly Glu Asn Asp Cys Ala Asp Ser Ser Asp
 20 25 30
 Glu Lys Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala
 35 40 45
 Ala

<210> 403
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 15

<400> 403
 Cys Pro Pro Asp Glu Phe Arg Cys Lys Ser Tyr Lys Arg Cys Val Pro
 1 5 10 15
 Leu Ala Phe Val Cys Asp Gly Val Asp Asp Cys Glu Asp Gly Ser Asp
 20 25 30
 Glu Glu Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala
 35 40 45
 Ala

<210> 404
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 1

<400> 404
 Cys Leu Pro Asp Glu Phe Gln Cys Arg Ser Thr Gly Ile Cys Ile Pro
 1 5 10 15
 Leu Ala Trp Arg Cys Asp Gly Val Asn Asp Cys Gln Asp Asp Ser Asp
 20 25 30
 Glu Thr Asn Cys Arg Ala Thr Gly Arg Thr
 35 40

<210> 405
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence 6

<400> 405
 Cys Pro Ala Gly Glu Phe Gln Cys Gly Asn Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Asn Ser Asp Glu
 20 25 30
 Thr Gly Cys Ser Gln Asp Pro Glu Phe His Lys Val
 35 40

<210> 406
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD20 binding sequence CC3

<400> 406
 Cys Pro Ala Ser Gln Phe Lys Cys His Asn Thr Arg Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Val Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp
 20 25 30
 Glu Ala Asn Cys Arg Arg Ala Ala Pro Thr
 35 40

<210> 407
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> repeated Gly-Gly-Ser linker

<400> 407
 Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
 1 5 10

<210> 408
 <211> 43
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TPO-R binding sequence T4690 (TPO1)

<400> 408
 Cys His Ser Thr Gly Glu Phe Arg Cys Arg Ser Ser Gly Ile Cys Val
 1 5 10 15
 Ser Pro Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Leu Asp Gly Ser
 20 25 30
 Asp Glu Ala Ser Cys Thr Ala Ala Gly Pro Thr
 35 40

<210> 409
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TPO-R binding sequence T5 (TPO2)

<400> 409
 Cys Pro Pro Ser Glu Phe Arg Cys Asn Ser Gly Gln Cys Ile Pro Arg
 1 5 10 15
 Glu Trp Arg Cys Asp Gly Asp Asn Asp Cys Ala Asp Asn Ser Asp Glu
 20 25 30
 Glu Ser Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu
 35 40 45
 Gln

<210> 410
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TPO-R binding sequence T2 (TPO9)

<400> 410
 Cys Leu Pro Ser Glu Phe Arg Cys Ser Ser Gly His Cys Ile Pro Arg
 1 5 10 15
 Arg Trp Arg Cys Asp Gly Glu Pro Asp Cys Gln Asp Gly Ser Asp Glu
 20 25 30
 Ala Asn Cys Gly Thr Ser Glu His Thr Ser Leu Gln
 35 40

<210> 411
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TPO-R binding sequence T1 (TPO10)

<400> 411
 Cys Gln Ser Asn Glu Phe Gln Cys His Asn Tyr Asn Ile Cys Leu Pro
 1 5 10 15
 Arg Pro Trp Val Cys Asp Gly Val Asn Asp Cys Pro Asp Gly Ser Asp
 20 25 30
 Glu Glu Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser
 35 40 45
 Leu Gln
 50

<210> 412
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding monomer sequence IGE-1

<400> 412
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser
 35 40 45
 Leu Gln
 50

<210> 413
 <211> 89
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 1

<400> 413
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
 35 40 45
 Gln Pro Asp Gln Phe Arg Cys Ser Ser Gly Arg Cys Leu Ser Arg Glu
 50 55 60
 Trp Leu Cys Asp Gly Glu Asp Asp Cys Glu Asp Asp Ser Asp Glu Thr
 65 70 75 80
 Asp Cys Pro Thr Arg Thr Ser Leu Gln
 85

<210> 414
 <211> 96
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 2

<400> 414
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
 35 40 45
 Leu Pro Ser Gln Phe Pro Cys Asp Ser Gly Asn Cys Leu Pro Leu Thr
 50 55 60
 Trp Leu Cys Asp Gly Val Asp Asp Cys Gly Asp Asn Ser Asp Glu Glu
 65 70 75 80
 Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln
 85 90 95

<210> 415
 <211> 91
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 3

<400> 415
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
 35 40 45
 Arg Ala Asn Gln Phe Pro Cys Asp Asn Gly Asn Cys Leu Pro Gln Pro
 50 55 60

Trp Arg Cys Asp Gly Asp Asn Asp Cys Val Asp Gly Ser Asp Glu Thr
65 70 75 80
Ser Cys Glu Ala Pro Ala His Thr Ser Leu Gln
85 90

<210> 416
<211> 92
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 4

<400> 416
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1 5 10 15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp
20 25 30
Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
35 40 45
Ala Pro Asn Glu Phe Gln Cys Arg Asp Asn Asn Thr Cys Leu Pro Glu
50 55 60
Asp Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu
65 70 75 80
Ala Asn Cys Thr Thr Pro Gly Pro Thr Ser Leu Gln
85 90

<210> 417
<211> 99
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 5

<400> 417
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1 5 10 15
Arg Arg Trp Leu Cys Asp Gly Glu Asp Asp Cys Glu Asp Gly Ser Asp
20 25 30
Glu Ala Ser Asp Thr Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser
35 40 45
Leu Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile
50 55 60
Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser
65 70 75 80
Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu
85 90 95
Ser Leu Gln

<210> 418
<211> 89
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 6

<400> 418
Cys Gly Ser Gly Gln Phe Pro Cys Gly Ser Gly His Cys Val Pro Leu
1 5 10 15

```

Asn Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Asp Ser Asp Glu
      20      25      30
Thr Asp Cys Lys Ala His Thr Cys Pro Ala Asn Glu Phe Gln Cys Arg
      35      40      45
Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp
      50      55      60
Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser
      65      70      75      80
Glu Pro Pro Gly Ser Leu Ser Leu Gln
      85

```

```

<210> 419
<211> 91
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> IgE-binding walked dimer 7

```

```

<400> 419
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1      5      10      15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
      20      25      30
Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
      35      40      45
Gly Ala Asp Gln Phe Pro Cys Ser Ser Gly His Cys Ile Pro Leu Pro
      50      55      60
Trp Val Cys Asp Gly Glu Asp Asp Cys Ala Asp Gly Ser Asp Glu Ala
      65      70      75      80
Asp Cys Arg Gly Thr Glu Pro Thr Ser Leu Gln
      85      90

```

```

<210> 420
<211> 96
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> IgE-binding walked dimer 8

```

```

<400> 420
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1      5      10      15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
      20      25      30
Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
      35      40      45
Ala Pro Ser Gln Phe Arg Cys Gly Asn Gly Arg Cys Ile Pro Arg Ser
      50      55      60
Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asp Ser Asp Glu Glu
      65      70      75      80
Asn Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln
      85      90      95

```

```

<210> 421
<211> 99
<212> PRT
<213> Artificial Sequence

```

<220>

<223> IgE-binding walked dimer 9

<400> 421

Arg	Val	Trp	Arg	Arg	Leu	Val	Gly	Ser	Cys	Arg	Pro	Asn	Gln	Phe	Thr
1				5				10					15		
Cys	Lys	Ser	Ser	Glu	Thr	Cys	Ile	Pro	Ala	His	Trp	Arg	Cys	Asp	Gly
			20				25					30			
Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp	Glu	Ala	Asp	Cys	Glu	Thr	Arg
		35				40					45				
Thr	Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile
	50				55					60					
Pro	Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser
65				70				75							80
Asp	Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu
			85					90					95		
Ser	Leu	Gln													

<210> 422

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 10

<400> 422

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1			5					10					15		
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp	
			20				25					30			
Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35				40					45				
Gln	Ser	Ser	Gln	Phe	Pro	Cys	His	Asp	Tyr	Glu	Ile	Cys	Leu	Pro	Ala
	50			55				60							
Thr	Leu	Leu	Cys	Asp	Gly	Val	Asp	Asp	Cys	Leu	Asp	Gly	Ser	Asp	Glu
65				70				75							80
Thr	Asn	Cys	Ala	Lys	Pro	Thr	Ser	Leu	Gln						
			85					90							

<210> 423

<211> 91

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 12

<400> 423

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1			5					10					15		
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20				25					30			
Glu	Pro	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35				40					45				
Pro	Pro	Gly	Glu	Phe	Pro	Cys	Gly	Asn	Gly	Arg	Ser	Val	Pro	Leu	Thr
	50			55				60							
Trp	Leu	Cys	Asp	Gly	Val	Asp	Asp	Cys	Gly	Asp	Asn	Ser	Asp	Glu	Thr
65				70				75							80
Gly	Cys	Glu	Thr	Thr	Gly	Arg	Thr	Ser	Leu	Gln					
			85					90							

<210> 424
 <211> 100
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 13 (27), IgE-binding
 walked dimer 27 (13)

<400> 424
 Cys Gly Ser Asn Gln Phe Pro Cys Glu Asn Gly Asn Cys Val Pro Leu
 1 5 10 15
 Gly Trp Gly Cys Asp Gly Val Asn Asp Cys Gln Asp Asn Ser Asp Glu
 20 25 30
 Ser Leu Ala Thr Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro
 35 40 45
 Ala Ala Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys
 50 55 60
 Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly
 65 70 75 80
 Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser
 85 90 95
 Leu Ser Leu Gln
 100

<210> 425
 <211> 90
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 14

<400> 425
 Cys Pro Ser Gly Gln Phe Pro Cys Asp Asn Gly His Cys Ile Pro Arg
 1 5 10 15
 Arg Trp Leu Cys Asp Gly Glu Asp Asp Cys Pro Asp Gly Ser Asp Glu
 20 25 30
 Ala Gln Val Cys Gln Gln Arg Thr Cys Pro Ala Asn Glu Phe Gln Cys
 35 40 45
 Arg Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp
 50 55 60
 Asp Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala
 65 70 75 80
 Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln
 85 90

<210> 426
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 15

<400> 426
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
 1 5 10 15
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
 20 25 30

Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Ser
		35					40					45			
Leu	Gln	Ala	Leu	Leu	Cys	Asp	Gly	Val	Asp	Asp	Cys	Arg	Asp	Gly	Ser
	50					55					60				
Asp	Glu	Ser	Ala	Leu	Cys	Glu	Glu	His	Thr	Cys	Pro	Ala	Asn	Glu	Phe
65					70					75				80	
Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro	Arg	Arg	Trp	Leu	Cys	Asp
			85					90						95	
Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp	Glu	Thr	Gly	Cys	Ser	Ala
			100					105					110		
Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Ser	Leu	Gln				
		115					120								

<210> 427
 <211> 91
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 16

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1			5						10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
		20					25					30			
Glu	Pro	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35				40						45			
Arg	Arg	Ala	Glu	Phe	Thr	Cys	Arg	Asn	Gly	Ser	Cys	Leu	Pro	Val	Pro
	50					55					60				
Trp	Leu	Cys	Asp	Ala	Glu	Asn	Asp	Cys	Pro	Asp	Gly	Ser	Asp	Glu	Pro
65					70				75					80	
Asp	Cys	Gly	Ser	Pro	Ala	Arg	Arg	Ser	Leu	Gln					
			85					90							

<210> 428
 <211> 89
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> IgE-binding walked dimer 19

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1			5						10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
		20					25					30			
Glu	Pro	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35				40						45			
Pro	Pro	Asp	Gln	Phe	Arg	Cys	Lys	Asn	Gly	Arg	Cys	Ile	Pro	Arg	His
	50					55					60				
Leu	Val	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Asp	Ser	Asp	Glu	Ala
65					70				75					80	
Gly	Cys	Gln	Thr	Arg	Thr	Ser	Leu	Gln							
			85												

<210> 429
 <211> 93
 <212> PRT
 <213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 21

<400> 429

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1			5						10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Glu	Pro	Gly	Gln	Phe	Gln	Cys	Asn	Asn	Asn	Asp	Thr	Cys	Val	Ser	Pro
	50					55					60				
Pro	Trp	Leu	Cys	Asp	Ala	Asp	Arg	Asp	Cys	Gly	Arg	Ser	Asp	Glu	Arg
65					70					75					80
Pro	Pro	His	Cys	Ala	Thr	Pro	Glu	Leu	Thr	Ser	Leu	Gln			
				85					90						

<210> 430

<211> 100

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 23

<400> 430

Cys	Pro	Ala	Gly	Gln	Phe	Arg	Cys	Glu	Asn	Gly	Arg	Cys	Leu	Pro	Pro
1				5					10					15	
Pro	Trp	Arg	Cys	Asp	Gly	Val	Asn	Asp	Cys	Glu	Asp	Asn	Ser	Asp	Glu
			20					25					30		
Ala	Gly	Cys	Gly	Asp	Ser	His	Ile	Leu	Pro	Phe	Ser	Thr	Pro	Gly	Pro
		35					40					45			
Ser	Thr	Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys
	50					55					60				
Ile	Pro	Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly
65					70					75					80
Ser	Asp	Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser
				85					90					95	
Leu	Ser	Leu	Gln												
			100												

<210> 431

<211> 89

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 25

<400> 431

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1				5					10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Pro	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Leu	Ser	Ser	Gln	Phe	Arg	Cys	Glu	Asn	Gly	Gln	Cys	Ile	Pro	Leu	Thr
	50					55					60				

Trp Gly Cys Asp Gly Asp Asp Asp Cys Gln Asp Gly Ser Asp Glu Thr
65 70 75 80
Asn Cys Pro Thr Arg Thr Ser Leu Gln
85

<210> 432
<211> 92
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 26

<400> 432
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1 5 10 15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Val Asp Gly Ser Asp
20 25 30
Glu Thr Gly Cys Gly Ser Pro Val Pro Thr Cys Pro Ala Asn Glu Phe
35 40 45
Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp
50 55 60
Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala
65 70 75 80
Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln
85 90

<210> 433
<211> 99
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 30

<400> 433
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1 5 10 15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp
20 25 30
Glu Pro Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
35 40 45
Ala Ala Ser Gln Phe Arg Cys Asn Asn Asn Ser Arg Cys Leu Pro Pro
50 55 60
Pro Leu Gly Cys Asp Gly Val Asp Asp Cys Gly Asp Asn Ser Asp Glu
65 70 75 80
Ala Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala
85 90 95
Ser Leu Gln

<210> 434
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> IgE-binding walked dimer 31

<400> 434
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1 5 10 15

Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro	Arg
	50					55					60				
Arg	Trp	Leu	Cys	Asp	Gly	Glu	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp	Glu
65					70					75				80	
Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Ser	Leu
				85					90				95		

Gln

<210> 435
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 435
 attctcactc ggccgacggt gcctaccgt 30

<210> 436
 <211> 65
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 436
 acggtgccta cccgtatgat gttccggatt atgccccggg tctggaggcg tctggtggtt 60
 cgtgt 65

<210> 437
 <211> 85
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (1)...(85)
 <223> n = g, a, c or t

<400> 437
 cgccgtcgca amscmabbc nstgraabgc atntkyygkw ayysykgcat yyaaattbgb 60
 ygrdagvktb acacgaacca ccaga 85

<210> 438
 <211> 82
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (21)...(21)
 <223> n = g, a, c or t

<400> 438
 cgccgtcgca amscmabbbc nstgraabgc akykgccgyt kyygcatyya aattbgbygr 60
 dagvktbaca cgaaccacca ga 82

<210> 439
 <211> 82
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (1)...(82)
 <223> n = g, a, c or t

<400> 439
 cgccgtcgca amscmabbbc nstgraabgc atntkyygkw ayysykgcac bkgaaactsgy 60
 ycgvcnsaca cgaaccacca ga 82

<210> 440
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (1)...(79)
 <223> n = g, a, c or t

<400> 440
 cgccgtcgca amscmabbbc nstgraabgc akykgccgyt kyygcacbkg aactsgyyycg 60
 vnsacacga accaccaga 79

<210> 441
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (24)...(24)
 <223> n = g, a, c or t

<400> 441
 ttgcgacggc gwwratgatt gtsnggacrr ctcggatgaa 40

<210> 442
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 442
 ttgcgacggc gwwratgatt gtssggacgg ctcgatgaa 40

 <210> 443
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 443
 ttgcgacggc gwwratgatt gtsrggacrr ctcgatgaa 40

 <210> 444
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (24)...(24)
 <223> n = g, a, c or t

 <400> 444
 ttgcgacggc gwwccgatt gtsnggacrr ctcgatgaa 40

 <210> 445
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 445
 ttgcgacggc gwwccgatt gtssggacgg ctcgatgaa 40

 <210> 446
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 446
 ttgcgacggc gwwccgatt gtsrggacrr ctcgatgaa 40

<210> 447
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 447
 aggccctgcaa tgacgtabgc kbtkbacagy ytkyttcatc cgagyygtcc 50

 <210> 448
 <211> 56
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (1)...(56)
 <223> n = g, a, c or t

 <400> 448
 aggccctgcaa tgacgtabgt ncggnssytb yacagyytky ttcacccgag yygtcc 56

 <210> 449
 <211> 65
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 449
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acagyytkyt tcatccgagy 60
 ygtcc 65

 <210> 450
 <211> 71
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 450
 aggccctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag yytkyttcat 60
 ccgagyygtc c 71

 <210> 451
 <211> 77
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

<400> 451
 aggccctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggacga ccacagyytk 60
 yttcatccga gyygtcc 77

<210> 452
 <211> 83
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 452
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
 agyytkyttc atccgagyyg tcc 83

<210> 453
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 453
 aggccctgcaa tgacgtabgc kbtkbacamw sckscgvttc atccgagccg tcc 53

<210> 454
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (1)...(59)
 <223> n = g, a, c or t

<400> 454
 aggccctgcaa tgacgtabgt ncggnssytb yacamwscks cgvtatcc gagccgtcc 59

<210> 455
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 455
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acamwscksc gvtatccg 60
 agccgtcc 68

<210> 456
 <211> 74
 <212> DNA
 <213> Artificial Sequence

```

<220>
<223> assembly PCR oligonucleotide

<400> 456
aggcctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacam wsckscgvtt 60
catccgagcc gtcc 74

<210> 457
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 457
aggcctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggacga ccacamwsck 60
scgvttcatc cgagccgtcc 80

<210> 458
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 458
aggcctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
amwsckscgv ttcatccgag ccgtcc 86

<210> 459
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 459
aggcctgcaa tgacgtabgc kbtkbacagd kwkccrrcgv ttcatccgag yygtcc 56

<210> 460
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(62)
<223> n = g, a, c or t

<400> 460
aggcctgcaa tgacgtabgt nccgnssytb yacagdkwkc crrcgvttca tccgagyygt 60
cc 62

```

<210> 461
 <211> 71
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 461
 aggcctgcaa tgacactttg tgaaattccg gacacctggc acagdkwkcc rrcgvttcat 60
 ccgagyygtc c 71

 <210> 462
 <211> 77
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 462
 aggcctgcaa tgacagggaa cccggcgggt cagatgctgg cgcgctacag dkwkccrrcg 60
 vttcatccga gyygtcc 77

 <210> 463
 <211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 463
 aggcctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggacga ccacagdkwk 60
 crrcgvttc atccgagyyg tcc 83

 <210> 464
 <211> 89
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 464
 aggcctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
 agdkwkccrr cgvttcatcc gagyygtcc 89

 <210> 465
 <211> 67
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 465
 tgaattttct gtatgaggtt ttgctaaaca actttcaaca gtttcggccc cagaggcctg 60
 caatgac 67

<210> 466
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR amplification oligonucleotide

<400> 466
 aagcctcagc gaccgaa

17

<210> 467
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR amplification oligonucleotide

<400> 467
 agcccaatag gaacccat

18

<210> 468
 <211> 81
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone CD28-A1

<400> 468
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
 20 25 30
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Leu Pro Asp Gln Phe Gln
 35 40 45
 Cys His Asp Tyr Arg Arg Cys Ile Pro Leu Gly Trp Val Cys Asp Gly
 50 55 60
 Val Pro Asp Cys Val Asp Asn Ser Asp Glu Ala Asn Cys Glu Pro Pro
 65 70 75 80
 Thr

<210> 469
 <211> 81
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone CD28-A2

<400> 469
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
 20 25 30
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Pro Asp Gln Phe Thr
 35 40 45
 Cys Asn Ser Gly Arg Cys Val Pro Leu Asn Trp Leu Cys Asp Gly Val
 50 55 60

Asn Asp Cys Ala Asp Ser Ser Asp Glu Pro Pro Glu Cys Gln Pro Arg
65 70 75 80
Thr

<210> 470
<211> 135
<212> PRT
<213> Artificial Sequence

<220>
<223> clone CD28-A10

<400> 470
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Val Pro Ala
1 5 10 15
Thr Trp Val Cys Asp Gly Asp Asp Cys Ala Asp Gly Ser Asp Glu
20 25 30
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Glu Ser Asn Gln Phe Gln
35 40 45
Cys Gly Ser Gly Gln Cys Leu Pro Gly Thr Trp Arg Cys Asp Gly Val
50 55 60
Asn Asp Cys Ala Asp Ser Ser Asp Glu Thr Gly Cys Gly Arg Pro Gly
65 70 75 80
Pro Gly Ala Thr Ser Ala Pro Ala Ala Cys Gly Pro Gly Arg Phe Gln
85 90 95
Cys Asn Asn Gly Asn Cys Val Pro Gln Thr Leu Gly Cys Asp Gly Asp
100 105 110
Asn Asp Cys Gly Asp Ser Ser Asp Glu Ala Asn Cys Ser Ala Pro Ala
115 120 125
Ser Glu Pro Pro Gly Ser Leu
130 135

<210> 471
<211> 83
<212> PRT
<213> Artificial Sequence

<220>
<223> clone CD28-A4

<400> 471
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
1 5 10 15
Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
20 25 30
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Ala Asn Gln Phe Gln
35 40 45
Cys Gly Asn Gly Arg Cys Ile Pro Pro Ala Trp Leu Cys Asp Gly Val
50 55 60
Asn Asp Cys Gly Asp Gly Ser Asp Glu Ser Gln Leu Cys Ala Ala Thr
65 70 75 80
Gly Pro Thr

<210> 472
<211> 85
<212> PRT
<213> Artificial Sequence

<220>
<223> clone CD28-A5

<400> 472
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
 20 25 30
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Leu Pro Asn Glu Phe Arg
 35 40 45
 Cys Ser Asn Gly Gln Cys Ile Pro Pro Asn Trp Arg Cys Asp Gly Val
 50 55 60
 Asp Asp Cys Arg Asp Gly Ser Asp Glu Ala Gly Cys Ser Gln Asp Pro
 65 70 75 80
 Glu Phe His Lys Val
 85

<210> 473
 <211> 84
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone CD28-A7

<400> 473
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
 20 25 30
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Gly Ser Gly Gln Phe Arg
 35 40 45
 Cys Ser Asn Gly Asn Cys Leu Pro Leu Arg Leu Gly Cys Asp Gly Val
 50 55 60
 Asp Asp Cys Gly Asp Ser Ser Asp Glu Pro Leu Asp Pro Cys Ala Ala
 65 70 75 80
 Thr Val Arg Thr

<210> 474
 <211> 80
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone CD28-A17

<400> 474
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1 5 10 15
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
 20 25 30
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Ser Gly Gln Phe Lys
 35 40 45
 Cys Asn Ser Gly Arg Cys Val Pro Pro Asn Trp Leu Cys Asp Gly Val
 50 55 60
 Asn Asp Cys Pro Asp Asn Ser Asp Glu Ala Asn Cys Pro Pro Arg Thr
 65 70 75 80

<210> 475
 <211> 83
 <212> PRT
 <213> Artificial Sequence

```

    <220>
    <223> clone CD28-A19

    <400> 475
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1          5          10          15
Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
          20          25          30
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Gln Ala Asp Glu Phe Gln
          35          40          45
Cys Gln Ser Ser Gly Lys Cys Leu Pro Val Asn Trp Val Cys Asp Gly
 50          55          60
Asp Asn Asp Cys Gly Asp Asp Ser Asp Glu Thr Asn Cys Ala Thr Thr
 65          70          75          80
Gly Arg Thr

    <210> 476
    <211> 30
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <400> 476
attctcactc ggccgacggt gcctaccggt
                                     30

    <210> 477
    <211> 65
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <400> 477
acgggtgccta cccgtatgat gttccggatt atgccccggg tctggaggcg tctggtggtt
cgtgt
                                     60
                                     65

    <210> 478
    <211> 85
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> assembly PCR oligonucleotide

    <220>
    <221> modified_base
    <222> (1)...(85)
    <223> n = g, a, c or t

    <400> 478
cgccgtcgca amscmasbbc nstgraabgc atntkyygkw ayysykgcat yyaaattbgb
ygrdagvktb acacgaacca ccaga
                                     60
                                     85

    <210> 479
    <211> 82
    <212> DNA
    <213> Artificial Sequence

```

```

<220>
<223> assembly PCR oligonucleotide

<400> 479
<220>
<221> modified_base
<222> (21)...(21)
<223> n = g, a, c or t

cgccgtcgca amscmabbbc nstgraabgc akykgccgyt kyygcatyya aattbgbygr 60
dagvktbaca cgaaccacca ga 82

<210> 480
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(82)
<223> n = g, a, c or t

<400> 480
cgccgtcgca amscmabbbc nstgraabgc atntkyygkw ayysykgcac bkgaaactsgy 60
ycgvnsaca cgaaccacca ga 82

<210> 481
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(79)
<223> n = g, a, c or t

<400> 481
cgccgtcgca amscmabbbc nstgraabgc akykgccgyt kyygcacbkg aactsgyycg 60
vnsacacga accaccaga 79

<210> 482
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (24)...(24)
<223> n = g, a, c or t

<400> 482
ttgcgacggc gwwratgatt gtsnggacrr ctcggatgaa 40

```


<210> 483
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 483
 ttgcgacggc gwwratgatt gtssggacgg ctcggatgaa 40

 <210> 484
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 484
 ttgcgacggc gwwratgatt gtsrggacrr ctcggatgaa 40

 <210> 485
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <220>
 <221> modified_base
 <222> (24)...(24)
 <223> n = g, a, c or t

 <400> 485
 ttgcgacggc gwwccgatt gtsnggacrr ctcggatgaa 40

 <210> 486
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 486
 ttgcgacggc gwwccgatt gtssggacgg ctcggatgaa 40

 <210> 487
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 487
 ttgcgacggc gwwccgatt gtsrggacrr ctcggatgaa 40

```

<210> 488
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 488
aggcctgcaa tgacgtabgc kbtkbacagy ytkyttcatc cgagyygtcc 50

<210> 489
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(56)
<223> n = g, a, c or t

<400> 489
aggcctgcaa tgacgtabgt ncggnssytb yacagyytky ttcacccgag yygtcc 56

<210> 490
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 490
aggcctgcaa tgacactttg tgaaattccg gatcctgggt acagyytkyt tcacccgagy 60
ygtcc 65

<210> 491
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 491
aggcctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag yytkyttcat 60
ccgagyygtc c 71

<210> 492
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

```

<400> 492
 aggccctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggaacga ccacagyytk 60
 yttcatccga gyygtcc 77

<210> 493
 <211> 83
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 493
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
 agyytkyttc atccgagyyg tcc 83

<210> 494
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 494
 aggccctgcaa tgacgtabgc kbtkbacamw sckscgvttc atccgagccg tcc 53

<210> 495
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<220>
 <221> modified_base
 <222> (1)...(59)
 <223> n = g, a, c or t

<400> 495
 aggccctgcaa tgacgtabgt ncggnssytb yacamwscks cgvtatcc gagccgtcc 59

<210> 496
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> assembly PCR oligonucleotide

<400> 496
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acamwscksc gvtatcccg 60
 agccgtcc 68

<210> 497
 <211> 74
 <212> DNA
 <213> Artificial Sequence

```

<220>
<223> assembly PCR oligonucleotide

<400> 497
aggcctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacam wsckscgvtt 60
catccgagcc gtcc 74

<210> 498
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 498
aggcctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccgacga ccacamwsck 60
scgvttcatc cgagccgtcc 80

<210> 499
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 499
aggcctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
amwsckscgv ttcatccgag ccgtcc 86

<210> 500
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 500
aggcctgcaa tgacgtabgc kbtkbacagd kwkccrrcgv ttcatccgag yygtcc 56

<210> 501
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(62)
<223> n = g, a, c or t

<400> 501
aggcctgcaa tgacgtabgt nccgnssytb yacagdkwkc crrcgvttca tccgagyygt 60
cc 62

```

<210> 502
 <211> 71
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 502
 aggcctgcaa tgacactttg tgaaattccg gatcctgggt acagdkwkcc rrcgvttcat 60
 ccgagyygtc c 71

 <210> 503
 <211> 77
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 503
 aggcctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag dkwkccrrcg 60
 vttcatccga gyygtcc 77

 <210> 504
 <211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 504
 aggcctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggacga ccacagdkwk 60
 crrcgvttc atccgagyyg tcc 83

 <210> 505
 <211> 89
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 505
 aggcctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
 agdkwkccrr cgvttcatcc gagyygtcc 89

 <210> 506
 <211> 67
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> assembly PCR oligonucleotide

 <400> 506
 tgaattttct gtatgaggtt ttgctaaaca actttcaaca gtttcggccc cagaggcctg 60
 caatgac 67

<210> 507
 <211> 97
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone IL6#4, IL-6 clone 4

<400> 507
 Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln
 1 5 10 15
 Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu
 20 25 30
 Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro
 35 40 45
 Ser Thr Cys Pro Pro Ser Gln Phe Thr Cys Arg Ser Thr Asn Thr Cys
 50 55 60
 Ile Pro Ala Pro Trp Arg Cys Asp Gly Asp Asp Asp Cys Glu Asp Asp
 65 70 75 80
 Ser Asp Glu Glu Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser
 85 90 95
 Leu

<210> 508
 <211> 90
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone IL6#7

<400> 508
 Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln
 1 5 10 15
 Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu
 20 25 30
 Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro
 35 40 45
 Ser Thr Cys Arg Ser Asn Glu Phe Gln Cys Arg Ser Ser Gly Ile Cys
 50 55 60
 Ile Pro Arg Thr Trp Val Cys Asp Gly Asp Asp Asp Cys Leu Asp Asn
 65 70 75 80
 Ser Asp Glu Lys Asp Cys Ala Ala Arg Thr
 85 90

<210> 509
 <211> 96
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> clone IL6#9, IL-6 clone 9

<400> 509
 Cys Arg Ser Asp Gln Phe Gln Cys Gly Ser Gly His Cys Ile Pro Gln
 1 5 10 15
 Asp Trp Val Cys Asp Gly Glu Asn Asp Cys Glu Asp Gly Ser Asp Glu
 20 25 30
 Thr Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys Leu
 35 40 45

Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln Thr Trp
50 55 60
Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu Thr Gly
65 70 75 80
Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro Ser Thr
85 90 95

<210> 510
<211> 86
<212> PRT
<213> Artificial Sequence

<220>
<223> clone IL6#P8

<400> 510
Cys Arg Ser Asp Gln Phe Gln Cys Gly Ser Gly His Cys Ile Pro Gln
1 5 10 15
Asp Trp Val Cys Asp Gly Glu Asn Asp Cys Glu Asp Gly Ser Asp Glu
20 25 30
Thr Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys Arg
35 40 45
Ser Asn Glu Phe Gln Cys Arg Ser Ser Gly Ile Cys Ile Pro Arg Thr
50 55 60
Trp Val Cys Asp Gly Asp Asp Asp Cys Leu Asp Asn Ser Asp Glu Lys
65 70 75 80
Asp Cys Ala Ala Arg Thr
85

<210> 511
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> clone IL6#N7

<400> 511
Cys Pro Pro Ser Gln Phe Thr Cys Arg Ser Thr Asn Thr Cys Ile Pro
1 5 10 15
Ala Pro Trp Arg Cys Asp Gly Asp Asp Asp Cys Glu Asp Asp Ser Asp
20 25 30
Glu Ala Asp Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly
35 40 45
Pro Ser Thr Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys
50 55 60
Ile Pro Gln Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp
65 70 75 80
Ser Asp Glu Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr
85 90 95
Pro Gly Pro Ser Thr
100